Ministry for Primary Industries
Manatū Ahu Matua

MINISTRY FOR PRIMARY INDUSTRIES

STANDARD 155.02.06

Importation of Nursery Stock

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

Biosecurity New Zealand
Animal & Plant Health Directorate
PO Box 2526
Wellington 6140, New Zealand
www.mpi.govt.nz

CONTENTS

ENDORSEMENT

COMMENCEMENT
This import health standard comes into force on 8 April 2024.

REVOCATION
This import health standard revokes and replaces Import Health Standard: Importation of Nursery Stock (155.02.06) and all prior amendments to that standard.

The amendment history to this import health standard is set out on the next page.

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, 8 April 2024

Janine Collier
Acting Manager Plant Health
Ministry for Primary Industries
(acting under delegated authority of the Director-General)

REVIEW

Amendments will be made to the signed original as required. The signed original will be held by the Plant Imports Group, Ministry for Primary Industries, Charles Fergusson Building, 34-38 Bowen Street, Wellington.

AMENDMENT RECORD

This import health standard has previously been amended in accordance with section 24B of the Biosecurity Act 1993 as set out below.

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 *Vaccinum* schedules, section 2.2.1.10, section 2.2.1.11	22 May 2006
7	*Actinidia*, *Hippeastrum* and *Prunus* schedules	9 August 2006
8	*Allium, Fragaria, Hippeastrum, Miscanthus, Solanum tuberosum*, and *Zantedeschia* schedules	4 August 2008
9	*Corylus* and *Wollemia nobilis* schedules.	10 November 2008
10	*Allium*, *Persea*, *Rubus*, *Vaccinium*, and *Vaccinium macrocarpon* schedules.	7 April 2009
11	Sections 1.4, 2.2.1.8, 2.2.1.9, 2.2.1.11, 2.2.3, and 3	1 October 2009
12	Section 2.2.1.11	20 October 2009
13	*Tulipa* schedule	18 January 2010
14	*Prunus*, *Solanum tuberosum*, and *Vaccinium macrocarpon* schedules.	6 July 2010
15	*Allium* schedule	13 September 2010
16	*Berberis, Carpinus, Cotoneaster, Eucalyptus, Nandina, Olea, Populus, Pseudotsuga, Ulmus* schedules, section 2.2.1.10 and section 2.2.1.11	7 June 2011
17	*Phalaenopsis* schedule	8 August 2011
18	Removal of the schedules for *Acca sellowiana* and *Agonis,* with incorporation under the *Metrosideros* schedule. Amendment to the *Eucalyptus* and *Eugenia* schedules.	25 August 2011
19	*Dracaena* schedule	12 September 2011
20	*Malus* schedule	20 June 2012
21	*Artocarpus* schedule	29 June 2012
22	*Cycas*, *Dracaena*, *Fuchsia* schedules, section 2.2.1.10, 2.2.1.11, 2.2.3 and 2.3.3	16 August 2012
23	*Solanum tuberosum* schedule	8 April 2013
24	*Eucalyptus*, *Eugenia*, *Metrosideros* and *Vitis* schedules	22 May 2013
25	*Actinidia* schedule	6 September 2013

26	Section 2.2.2.2	27 January 2014
27	*Vitis* schedule	11 March 2014
28	*Rubus* schedule	21 March 2014
29	Section 2.3.2.1, section 2.2.1.11, schedules for *Allium, Begonia, Canna, Citrus, Crocus, Dahlia, Fortunella, Fragaria, Gladiolus, Hippeastrum, Lilium, Malus, Miscanthus x giganteus, Narcissus, Olea, Persea, Poncirus, Prunus, Rubus, Solanum tuberosum, Tulipa, Vaccinium, Vaccinium macrocarpon* and *Vitis*	11 June 2014
30	Schedules for *Chrysanthemum*, *Diascia*, *Dahlia* and *Solanum*	18 August 2014
31	Schedules for *Citrus*, *Fortunella*, *Fragaria*, *Malus* and *Poncirus*	27 November 2014
32	Schedules for *Hippeastrum* and *Vitis*	21 January 2015
33	Sections 2.2.1.6, 2.2.1.7 and 2.2.1.8 (new section for *Ceratocystis fimbriata*, with renumbering of subsequent sections). Schedules for *Acacia*, *Acrocomia*, *Carica, Carya, Carya ovata, Citrus, Delphinium, Eucalpytus, Fagus, Fagus sylvatica, Ficus, Fragaria, Juglans, Malus, Mangifera, Metrosideros, Platanus, Populus, Prunus, Quercus, Rubus, Tulipa, Ulmus, Vaccinium* and *Vitis*	10 December 2015
34	Schedules for *Fragaria*, *Malus*, *Olea, Prunus, Rubus, Solanum tuberosum*, *Vaccinium* and *Vitis*	11 March 2016
35	Section 2.2.1.12, and schedule for *Acacia*	06 May 2016
36	Section 2.2.1.13 (new section for *Phellinus noxius*, with renumbering of subsequent sections). Schedules for *Acacia, Acrocomia, Aesculus, Araucaria, Arbutus, Artocarpus, Camellia, Camellia sinensis, Cedrus, Citrus, Crataegus, Cycas, Delphinium, Diospyros, Eriobotrya, Eucalyptus, Eugenia, Ficus, Fortunella, Hebe, Hydrangea, Litchi, Mangifera, Metrosideros, Nandina, Persea, Planera, Poncirus, Populus, Prunus, Rhododendron, Rosa, Salix, Ulmus,* and *Vitis*	21 November 2016
37	Sections 1.3, 1.4, 2.2.1.12, 2.2.1.12, 2.3.2. Schedules for *Acacia, Acer, Acrocomia, Aesculus, Arbutus, Asparagus, Bidens, Canna, Carya, Carya ovata, Castanea, Citrus, Cotoneaster, Delphinium, Diospyros, Eucalyptus, Eugenia, Eupatorium, Fagus, Fagus sylvatica, Ficus, Fuchsia, Fortunella, Fragaria, Helianthus, Hebe, Humulus, Hydrangea, Ipomoea batatas, Juglans, Juniperus, Metrosideros, Nandina, Olea, Persea, Phoenix, Photinia, Platanus, Poncirus, Populus, Prunus, Pseudotsuga, Pyrus, Quercus, Ranunculus, Rosa, Rubus, Salix, Solanum tuberosum, Solidago, Ulmus, Vaccinium, Verbena* and *Vitis*	21 December 2016
38	Schedule for *Rosa*	22 December 2016

39	Sections 2.2.2.4, 2.2.2.5 (new section for *Xylella fastidiosa*), 2.2.2.6 (new section for post entry quarantine), and 2.3. Schedules for *Acacia, Acer, Acrocomia, Aesculus, Arbutus, Asparagus, Bidens, Canna, Carya, Carya ovata, Castanea, Cotoneaster, Delphinium, Diospyros, Eucalyptus, Eugenia, Eupatorium, Fagus, Fagus sylvatica, Ficus, Fuchsia, Hebe, Humulus, Hydrangea, Ipomoea batatas, Juglans, Malus, Metrosideros, Nandina, Phoenix, Photinia, Platanus, Populus, Prunus, Pseudotsuga, Quercus, Ranunculus, Rosa, Salix, Solanum tuberosum, Solidago, Ulmus, Vaccinium macrocarpon,* and *Verbena*	27 February 2017
40	Updated sections 1.3 and 1.4, and relevant schedules to align with commencement of Facility Standard: Post Entry Qurantine for Plants (MPI.STD.PEQ).	8 March 2017
41	Addition of *Petunia* schedule.	9 June 2017
42	Amendment to the *Petunia* schedule with new GM requirements	31 October 2017
43	Amendment to the *Vaccinium* schedule with a change to post entry quarantine requirements for tissue cultures.	11 December 2017
44	Amendment to the *Delphinium* schedule with addition of *Euryops* for conditions for *Xylella fastidiosa*.	04 April 2018
45	Addition of conditions for *Phytophthora capsici, P. palmivora* and *P. tentaculata* in the following schedules: *Abies, Acacia, Acer, Acrocomia, Aesculus, Allium, Araucaria, Arbutus, Artocarpus, Calanthe, Carica, Chrysanthemum, Crataegus, Dahlia, Delphinium, Dianthus, Dianthus caryophyllus, Diospyros, Dracaena, Eugenia, Ficus, Gerbera, Hebe, Lilium, Mangifera, Metrosideros, Olea, Paulownia, Phalaenopsis, Phoenix, Solanum, Verbena, Yucca* and creation of three new schedules (i.e. *Anthurium*, *Cichorium* and *Epipremnum* schedules).	26 April 2018
46	Amendment to the *Solanum tuberosum* schedule with addition of '*Candidatus* Liberibacter solanacearum' haplotype B, Columbia basin purple top phytoplasma, *Pectobacterium polaris* and *Potato Virus* H.	26 June 2018
47	Amendment to the *Anthurium* and *Rosa* schedules with additions of measures for *Ralstonia pseudosolanacearum*	25 January 2019
48	Amendment to the *Araucaria* schedule with addition of *Xylella fastidiosa* to the "Quarantine Pests" list and also "Conditions for *Xylella fastidiosa* (section 2.2.1.12), which applies to the members of *Broussonetia* genus only.	30 January 2019
49	Amendment to the *Rosa* schedule with addition of measures for *Grapevine Pinot gris virus*	13 February 2019
50	Amendment to the *Acacia* and *Epipremnum* schedules with addition of measures for *Ralstonia pseudosolanacearum*	7 March 2019
51	Amendment to the *Solanum tuberosum* schedule with addition of measures for *Ralstonia pseudosolanacearum*	5 August 2019
52	Amendment to the *Vaccinium* schedule with addition of measures for *Ralstonia pseudosolanacearum*	30 August 2019

53	Amendment to the *Actinidia* schedule and Section 2.2.1.12 "Measures for *Xylella fastidiosa*"	29 November 2019
54	Amendment to the *Prunus* schedule	23 January 2020
56	Amendment to the *Ficus* schedule with addition of measures for *Ralstonia pseudosolanacearum*	07 February 2020
57	Amendment to the 'Basic entry conditions' 2.2.1.6 (b) to manage regulated plant mites. Amendment of the *Calanthe*, *Dahlia*, *Tricyrtis*, *Verbena*, *Hydrangea*, *Gentiana* schedules with removal of special measures for *Tetranychus kanzawai*.	20 May 2020
58	Amendment to the *Petunia* schedule: addition of option for importers to provide a non-GMO declaration to meet the GM requirements for *Petunia* nursery stock (whole plants, cuttings and tissue cultures), amendment to information required on GM testing certificates for *Petunia* nursery stock (whole plants, cuttings and tissue cultures), removal of the requirement for an import permit for *Petunia* tissue cultures.	20 May 2020
59	Amendment to the *Arbutus* and *Metrosideros* schedules editing the *Xylella fastidiosa* note. Amendment to the *Chrysanthemum*, *Chrysanthemum morifolium* and *Cichorium* schedules to add *Xylella fastidiosa* measures. Minor amendment to *Arbutus*, *Chrysanthemum*, *Cichorium* and *Metrosideros* schedules to fix grammatical errors.	2 June 2020
60	Amendment to the *Acacia*, *Aesculus*, *Petunia*, *Solanum* and *Verbena* schedules with addition of measures for *Columnea latent viroid*, *Tomato apical stunt viroid* and *Tomato chlorotic dwarf viroid*. Harmonization of measures for *Potato spindle tuber viroid* on the *Chrysanthemum*, *Dahlia* and *Diascia* schedules. Amendment to the *Acacia*, *Anthurium*, *Epipremnum*, *Ficus* and *Rosa* schedules to add acceptable PFPP declaration for *Ralstonia pseudosolanacearum* from Costa Rica. Addition of *Hoya* schedule	22 July 2020
61	Minor amendments to the whole IHS to address inconsistencies, typos and other administrative changes.	03 December 2020
62	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
63	Amendment to Chrysanthemum morifolium schedule with addition of measures for Potato spindle tuber viroid (PSTVd).	21 June 2021
64	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
65	Amendment to the *Anthurium*, *Delphinium* and *Metrosideros*, schedules to add measures for *Xylella fastidiosa* on the *Callistemon, Clematis, Ocimum* and *Psidium* genera.	6 September 2021
66	Amendment to *Citrus*, *Fortunella* and *Poncirus* schedules	8 December 2021
67	Amendment to section 2.2.1.11 to remove *Malus* as a host of *Phytophthora ramorum*	20 December 2021

68	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
69	Amendment to the *Arbutus* and *Chrysanthemum* schedules editing the *Xylella fastidiosa* note. Amendment to the *Viburnum* schedule to add *Xylella fastidiosa* measures.	21 February 2022
70	Added guidance for genera and schedules that might be out of date.	19 July 2022
71	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
72	Amendment to the *Berberis* and *Epipremnum* schedules to add *Xylella fastidiosa* measures. Amendment to *Chrysanthemum* and *Cichorium* schedules editing the *Xylella fastidiosa* note. Amended to the name of the *Chrysanthemum morifolium* schedule to *Chrysanthemum* × *morifolium* and removal of the *Xylella fastidiosa* note.	13 October 2022
73	Amendment to remove the requirements of *Machilus thunbergii* and *Persea* from this IHS.	26 October 2022
74	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. Amendement to recognise India and United Kingdom as *Xyella fastidiosa* free countries, and Lebanon as a country with *X. fastidiosa*.	23 March 2023
75	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
76	Amendment to the *Allium, Arbutus, Carpinus, Clivia, Delphinium, Epipremnum, Mangifera, Miscanthus* x *gigantus, Paulownia,* and *Veronica* schedules to update *Xylella fastidiosa* measures.	12 May 2023
77	Removed all requirements and guidance related to biological indexing and replaced it with ELISA or PCR in the following sections: 2.3.2.1, 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
78	Amendment to clarify the wording in the *Dracaena* schedule about *Treatment for non-dormant cuttings and whole plants*.	12 July 2023

79	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
80	Amendment to pesticide treatments for whole plants and cuttings. Aligning with recent changes to the MPI Treatment Requirement *Approved Biosecurity Treatments*.	16 October 2023
81	Suspension of: - *Ananas comosus* whole plants and cuttings only - *Artocarpus heterophyllus* plants in vitro - *Durio zibenthinus*, - *mangostana*¸ *Nephelium lappaceum* whole plants, cuttings and plants in vitro - *Mangifera indica*, *Musa* spp., *Plinia cauliflora* whole plants and plants in vitro - *Pyrus communis* cuttings - *Ribes* spp. whole plants	16 October 2023
82	Amendment to the import requirements for *Ananas comosus*, adding requirements for managing *Dickeya zeae*, *Fusarium verticillioides*, *Pantoea ananantis*, *Phytophthora cinnamomic*, and *Phytophthora megakarya*.	16 October 2023
83	Updated the guidance plant genera with specific import requirements last imported into New Zealand from 2017 to remove 35 genera.	16 October 2023
84	Amendment to the *Acacia* schedule, adding import requirements to *Malva* and *Portulaca* species to manage *Tomato brown rugose fruit virus,* and to *Portulaca* species to manage *Cucumber green mottle mosaic virus.*	12 January 2024
85	Amendment to the *Zingiber* schedule, adding import requirements to manage *Ralstonia pseudosolanacearum*.	30 January 2024
86	Removed all the requirements for *Humulus* because they have been updated and moved to a different standard. Removed requirements for *Phytophthora tentaculata* from the following schedules: *Acacia, Aesculus, Arbutus, Chrysanthemum, Cichorium, Delphinium, Gerbera, Verbena and Veronica.* Amendment to *Veronica* schedule to update *Xylella fastidiosa* measures. Added a PCR test option for *Diaporthe vaccinii* to the *Vaccinium* schedule.	1 March 2024
87	Minor amendment to the *Vitis* schedule to clarify that the requirement for Syrah decline only applies to Syrah cultivars of *Vitis*	8 April 2024

1. INTRODUCTION

1.1 OFFICIAL CONTACT POINT (NEW ZEALAND NATIONAL PLANT PROTECTION ORGANISATION)

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

Ministry for Primary Industries
PO Box 2526
34-38 Bowen Street
Wellington
NEW ZEALAND

Telephone: +64 4 894 5514
E-mail: PlantImports@mpi.govt.nz
Website: http://www.mpi.govt.nz

1.2 SCOPE

This standard describes the import specifications and entry conditions for nursery stock imported into New Zealand.

1.3 REFERENCES

New Zealand legislation

- Biosecurity Act 1993
- Hazardous Substances and New Organisms Act 1996 (HSNO Act 1996)

Standards issued under the Biosecurity Act 1993

The following standards can be accessed on the website:

https://www.biosecurity.govt.nz/importing/plants/nursery-stock/requirement-documents-for-importing-nursery-stock/

- Facility Standard PEQ.STD: Post Entry Quarantine for Plants
- Administrative Standard: Standard for Offshore Facilities Holding and Testing Plants for Planting
- Facility Standard 155.04.03: *Standard for Transitional Facilities for the Identification of Organisms*

The following standards can be accessed on the website:
http://mpi.govt.nz/importing/plants/seeds-for-sowing/genetically-modified-seeds/

- PIT-GMO-ALGMOT: Approval of Laboratories for Genetically Modified Organism Testing
- Operational Code: Protocol for Testing for the Presence of Genetically Modified Plant Material

The following standard can be accessed on the website:
https://www.mpi.govt.nz/import/border-clearance/transitional-and-containment-facilities-for-border-clearance/find-treatment-options-and-provider/

- Treatment Requirement MPI-ABTRT: Approved Biosecurity Treatments

International Standard for Phytosanitary Measures (ISPM)

- ISPM 04. Requirements for the establishment of pest free areas
- ISPM 05. Glossary of phytosanitary terms
- ISPM 10. Requirements for the establishment of pest free places of production and pest free production sites
- ISPM 12. Phytosanitary certificates
- ISPM 20. Guidelines for a phytosanitary import regulatory system
- ISPM 24. Guidelines for the determination and recognition of equivalence of phytosanitary measures
- ISPM 27. Diagnostic protocols for regulated pests
- ISPM 43. Requirements for the use of fumigation as a phytosanitary measure

1.4 DEFINITIONS AND ABBREVIATIONS

a.i.: Active ingredient.

Basic: The basic conditions with which all consignments of nursery stock must comply.

Budwood: See Cuttings.

Bulb: A thickened, vegetative part of a plant in a dormant state, e.g., true bulbs, bulbils, corms, tubers and rhizomes.

Consignment: A quantity of plants, plant products or other articles being moved from one country to another and covered, when required, by a single phytosanitary certificate (a consignment may be composed of one of more commodities or lots) [ISPM Pub. No. 05, 2019].

Country of origin (of a consignment of plants): Country where the plants were grown [ISPM Pub. No. 05, 2019].

Cuttings: A nursery stock commodity sub-class for propagation material from the stem only (no roots). Cuttings may be required to be dormant.

Dormant: Temporarily inactive/suspended growth (cuttings of deciduous species should have no leaves; bulbs should have no leaves or roots).

Environmental Protection Authority (EPA): Authority responsible for administering the Hazardous Substances and New Organisms Act 1996.

Free from (of a consignment, field or place of production): Without pests (or a specific pest) in numbers or quantities that can be detected by the application of phytosanitary procedures [ISPM Pub. No. 05, 2019].

Genetically Modified Organism: (as defined by the HSNO Act 1996): Any organism in which any of the genes or any other genetic material:

a. has been modified by *in-vitro* techniques; or
b. is inherited or otherwise derived, through any number of replications, from any genes or other genetic material which has been modified by *in-vitro* techniques.

Graftstick: See Cuttings.

Import health standard: A standard issued under s22 of the New Zealand Biosecurity Act 1993 by the Director-General on the recommendation of a Chief Technical Officer, specifying the requirements to be met for the effective management of risks associated with the importation of risk goods.

Import Permit: Official document authorizing importation of a commodity in accordance with specified phytosanitary requirements (Note: Permits for imports into New Zealand are issued by the Ministry for Primary Industries).

Inspector: Inspector under the Biosecurity Act 1993.

International Plant Protection Convention: International Plant Protection Convention, as deposited with FAO (Food and Agricultural Organization of the United Nations) in Rome in 1951 and as subsequently amended [ISPM Pub. No. 05, 2019].

IPPC: International Plant Protection Convention.

International Standard for Phytosanitary Measures: An international standard adopted by the Conference of FAO, the Interim Commission on Phytosanitary Measures or the Commission on Phytosanitary Measures, established under the IPPC [ISPM Pub. No. 05, 2019].

ISPM: International Standard for Phytosanitary Measures.

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 nursery stock is 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: A number of units of a single commodity identifiable by its homogeneity of composition, origin etc., forming part of a consignment [ISPM Pub. No. 05, 2019].

MPI: The Ministry for Primary Industries, formerly the Ministry of Agriculture and Forestry (MAF).

Maximum Pest Limit (MPL): The maximum level of infestation/contamination allowed within a consignment.

National Plant Protection Organisation: Official service established by a government to discharge the functions specified by the IPPC [ISPM Pub. No. 05, 2019; formerly Plant Protection Organization (National)].

Non-dormant: Normal state of plant growth, not in suspended growth.

NPPO: National Plant Protection Organisation.

Nursery Stock: Whole plants or parts of plants imported for growing purposes, e.g. cuttings, scions, budwood, marcots, off-shoots, root divisions, bulbs, corms, tubers, rhizomes and plants *in vitro*.

Permit to Import: See Import permit.

Pest: Any species, strain or biotype of plant, animal or pathogenic agent injurious to plants or plant products [ISPM Pub. No. 05, 2019].
Note: For the purpose of this standard "pest" includes an organism sometimes associated with the pathway, which poses a risk to human or animal or plant life or health (SPS Article 2).

Pest free area: An area in which a specific pest does not occur as demonstrated by scientific evidence and in which, where appropriate, this condition is being officially maintained [ISPM Pub. No. 05, 2019].

Pest free place of production: Place of production in which a specific pest does not occur as demonstrated by scientific evidence and in which, where appropriate, this condition is being officially maintained for a defined period [ISPM Pub. No. 10, 1999].

Pest free production site: A production site in which a specific pest is absent, as demonstrated by scientific evidence, and in which, where appropriate, this condition is being officially maintained for a defined period [ISPM 10, 1999; revised CPM, 2015]

Phytosanitary Certificate: Certificate patterned after the model certificates of the IPPC [ISPM Pub. No. 05, 2019The certificate must follow the pattern set out in the model phytosanitary certificate, ISPM Pub. No. 12, 2001, "Guidelines for phytosanitary certificate". The certificate is issued by the exporting country's NPPO, in accordance with the requirements of the IPPC, to verify that the requirements of the relevant import health standard have been met.

Plants: Living plants and parts thereof, including seeds and germplasm [ISPM Pub. No. 05, 2019].

Plants Biosecurity Index (PBI): A database of plant species that have been approved by EPA and that may be imported provided they meet certain conditions. The PBI can be found at the following web address: MPI Plants Biosecurity Index

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 [ISPM Pub. No. 05, 2019; formerly plants in tissue culture].

Post Entry Quarantine (PEQ): The quarantine conditions [Level 1 (open field facility), Level 2 (aquarium, greenhouse, or tissue culture facility), Level 3 (tissue culture facility), Level 3A (greenhouse facility), Level 3B (greenhouse facility)] under which nursery stock must be grown.

Quarantine Pests (Regulated Organisms): Pests (organisms) for which phytosanitary actions would be undertaken if they were intercepted/detected. These include new organisms as defined by the Hazardous Substances and New Organisms Act 1996.

Scionwood: See Cuttings.

Unit: The basic element selected for sampling. For nursery stock this unit may be a plant, bulb or cutting. For tissue cultures it is the vessel containing the cultures.

Whole Plants: A nursery stock commodity sub-class for rooted cuttings and whole plants (mature plants with developed roots).

1.5 GENERAL

Plant species for which entry conditions or import health standards have been developed are listed alphabetically in MPI's Plants Biosecurity Index.

If a species is not listed in the Plants Biosecurity Index, 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 has to be made to the Environmental Protection Authority (EPA) at the following address:

Environmental Protection Authority
Private Bag 63002
Wellington 6140
NEW ZEALAND

Phone: +64 4 916 2426
E-mail: info@epa.govt.nz
Website: http://www.epa.govt.nz

If a plant species is not included in the Plants Biosecurity Index, 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.

Guidance:
If EPA approves an application, MPI will prioritise it alongside other tasks and will undertake a pest risk analysis and develop an import health standard in accordance with the requirements of the Biosecurity Act 1993. Pest risk analyses may be undertaken at the importer's expense. For inquiries regarding pest risk analyses, please contact MPI at the address given below.

The Ministry for Primary Industries can also be contacted for information on permit application procedures and import health standards. Address for the Plant Imports Team:

Ministry for Primary Industries
PO Box 2526
34-38 Bowen Street
Wellington
NEW ZEALAND
Telephone: +64 4 894 5514
E-mail: PlantImports@mpi.govt.nz
Website: http://www.mpi.govt.nz

Guidance:

Convention on International Trade in Endangered Species of Wild Fauna and Flora
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).

Equivalence
It is expected that the product will meet the conditions of this import health standard in every respect. If the product does not comply with the requirements, an application for equivalence may be submitted to MPI for consideration prior to importation. This must explain the reason(s) why the consignment may be considered of equivalent phytosanitary status to this import health standard, and what proposal is made to achieve an equivalent phytosanitary status.

2. IMPORT SPECIFICATION AND ENTRY CONDITIONS

2.1 INSPECTION ON ARRIVAL AND MAXIMUM PEST LIMIT

A randomly drawn sample of 600 units, from each homogenous lot in a consignment, shall be inspected on arrival. Where a lot is comprised of less than 600 units, 100% inspection is required.

Infestation by visually detectable quarantine pests on inspection at the border must not exceed the Maximum Pest Limit (MPL) which is currently set at 0.5%. To achieve a 95% level of confidence that the MPL will not be exceeded, no infested units are permitted in a randomly drawn sample of 600 units (i.e. acceptance number = 0).

2.2 ENTRY CONDITIONS

All imported nursery stock must comply with the following requirements:
a) **Basic Conditions** that apply to all nursery stock, as indicated in the Plants Biosecurity Index and outlined in Section 2.2.1 and 2.2.2.
AND
b) **Special Conditions** that apply to particular types of nursery stock, as indicated in the Plants Biosecurity Index and outlined in the **Schedule of Special Conditions**.

2.2.1 BASIC CONDITIONS

2.2.1.1 Types of Nursery Stock that may be imported

Nursery stock requiring only basic entry conditions may be imported as any of the following types:

- cuttings (dormant and/or non-dormant);
- whole plants (including rooted cuttings);
- dormant bulbs and tubers or;
- tissue culture (see section 2.2.2).

2.2.1.2 Import Permit

An import permit is required unless specified otherwise in section 2.2.2 or a schedule of special conditions.

Guidance:
To apply for a permit, complete the Form "Application for permit to import nursery stock or seed for sowing" available from MPI's website:
https://www.biosecurity.govt.nz/dmsdocument/36648-application-for-permit-to-import-nursery-stock-or-seed-for-sowing
The completed form should be sent to PlantImports@mpi.govt.nz.

2.2.1.3 Labelling

Each type of plant in the consignment must be clearly identified with its scientific name (genus and species).

2.2.1.4 Cleanliness

Only inert/synthetic material may be used for the protection, packaging and shipping materials of the nursery stock. Consignments contaminated with soil shall be treated, reshipped or destroyed. The interception of other extraneous matter, where it cannot be readily removed, may result in reshipment or destruction of the consignment.

Guidance:

- Coco peat, peat or Sphagnum moss used as packaging material for nursery stock must comply with the requirements of the Fertilisers and Growing Media of Plant Origin import health standard in order to be compliant with the import health standard 155.06.02: Importation of Nursery Stock.
- Please note, "packaging material" should only be used for supporting, protecting or carrying a commodity as defined in the International Standards for Phytosanitary Measures (ISPM) 5: Glossary

2.2.1.5 Phytosanitary Certificate

Consignments must be accompanied by a phytosanitary certificate certifying that the nursery stock has been inspected in the exporting country in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests, and conforms with New Zealand's current import requirements. If visually detectable pests are found which are not listed in the import health standard, the certifying NPPO must establish their regulatory status prior to issuing the certificate. This information is available in MPI's "Biosecurity Organisms Register for Imported Commodities".

If a visually detectable pest is not listed in this register, the certifying NPPO must contact MPI (see section 1.1) to establish the regulatory status of the pest.

2.2.1.6 Pesticide treatments for whole plants and cuttings

(a) For whole plants the phytosanitary certificate must have the following additional declaration, unless stated otherwise in the "schedule of special conditions":
"The plants were raised from seed/cuttings in soil-less rooting media in containers maintained out of contact with the soil".

OR
"The roots of the plants have been dipped in fenamiphos at 1.6g a.i. per litre of water for 30 minutes".

(b) All whole plants and cuttings must be treated for insects and mites as follows, unless stated otherwise in the "schedule of special conditions":

Insects

One of the following three treatments is required:

(1) Methyl bromide:

Apply one of the treatment options from the table below:

CT	Initial dose	Minimum end point dose	Temperature (°C)	Time	Comments
74	48 g/m^3	28.8 g/m^3	10-15	2 hrs	The treatment must achieve the CT product, minimum concentration, temperature, and time listed. Used packaging is to be dipped or fumigated as per FVT9* or destroyed
62	40 g/m^3	24 g/m^3	16-20	2 hrs	
50	32 g/m^3	19.2 g/m^3	21-27	2 hrs	
37.2	28 g/m^3	14.4 g/m^3	28-32	2 hrs	

*See the ABTRT for more details

Guidance:

- While a number of combinations of time and initial concentration may be used to achieve the minimum requirements (CT and minimum final concentration (g/m^3)) of the treatment, care must be taken to avoid phytotoxicity. Phytotoxic effects of the treatment may increase when a higher initial concentration at lower temperature and reduced duration is used.
- It is the importers responsibility to choose which 'duration of treatment (time (h))' option will be undertaken.
- The importer undertakes treatments at their own risk (see legal disclaimer in Approved Biosecurity Treatments (ABTRT))

The concentration-time product (CT) utilized for methyl bromide treatment in this standard is the sum of the fumigant concentration readings (g/m^3) over time (h). This is in accordance with ISPM 43*: Requirements for the use of fumigation as a phytosanitary measure*.

OR

(2) Hot water treatment/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
(3) 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 **Note** 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	

Note: The above contact and systemic insecticidal dips may be used instead of fumigation, but only if the used packaging material is separately fumigated (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)

Treatment must be completed either offshore prior to export or on arrival in New Zealand at the importer's expense.

- If performed offshore, the exporting country NPPO must endorse the treatments applied in the disinfestation and/or disinfection treatment section of the phytosanitary certificate including active ingredient/s of the chemical/s used, rate of application, mode of application (i.e. dipping or spraying with a surfactant), treatment time (i.e. how long the treatment was applied for) and date of application.
- If performed on arrival (on-shore), plant material must be treated at an MPI approved facility in accordance with Approved Biosecurity Treatments (ABTRT) by an MPI-Approved Treatment Provider.
- A copy of the chemical label must be supplied if different to the table below.

One of the following two treatments is required:

(1) Methyl bromide:

Apply one of the treatment options from the table below:

CT	Initial dose	Minimum endpoint dose	Temperature (°C)	Time	Comments
120	68 g/m^3	51 g/m^3	10-15	2 hrs	The treatment must achieve the CT product, minimum concentration, temperature, and time listed. Used packaging is to be dipped or fumigated as per 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 hrs	
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 hrs	
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		

*See the ABTRT for more details

Note: This treatment can be applied to manage both insects and mites. When this treatment is used to manage mites, Methyl bromide treatment for insects mentioned above is not required.

Guidance:

- While a number of combinations of time and initial concentration may be used to achieve the minimum requirements (CT and minimum final concentration (g/m^3)) of the treatment, care must be taken to avoid phytotoxicity. Phytotoxic effects of the treatment may increase when a higher initial concentration at lower temperature and reduced duration is used.
- It is the importers responsibility to choose which 'duration of treatment (time (h))' option will be undertaken.

- The importer undertakes treatments at their own risk (see legal disclaimer in Approved Biosecurity Treatments (ABTRT))

The concentration-time product (CT) utilized for methyl bromide treatment in this standard is the sum of the fumigant concentration (g/m^3) over time (h). This is in accordance with ISPM 43*: Requirements for the use of fumigation as a phytosanitary measure*.

OR
(2) Chemical treatment:

Apply one of the following treatments (containing one or two active ingredients) via spraying or dipping:

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 See **Note** below
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		

Note: Chemical treatment may be used instead of fumigation but only if the used packaging material is separately fumigated or destroyed. Treatments may be in the form of spray, or preferably 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

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.

2.2.1.7 Pesticide treatments for dormant bulbs

These treatments are only required for dormant bulbs if specifically stated in the "schedule of special conditions" or section 2.4:

Insects

One of the following four treatments is required:

(1) Methyl bromide fumigation: fumigation for 2 hours at atmospheric pressure at one of the following combinations of rate (g/m^3) and temperature (^{o}C):

Rate (g/m^3)	Temperature (^{o}C)
48	10 – 15
40	16 – 20
32	21 – 27
28	28 – 32

OR

(2) Actellic room fumigation: 10 cc Actellic/10m^3 of room capacity for 12 hours at 20°C or higher. The first treatment should take place within 14 days after harvesting. Repeat the treatment two more times within an interval of 4 weeks.

OR

(3) 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). 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

(4) 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	Notes
Neonicotinoid	Thiacloprid/Imidacloprid (0.16 g per litre of dip)	2-5 mins	Non-ionic surfactant required
Organophosphorous	Diazinon (0.5 g per litre of dip)	2-5 mins	-
Organophosphorous	Pirimiphos-methyl (2.5-3.25 g per litre of dip)	2-5 mins	Non-ionic surfactant required
Phenylpyrazole	Fipronil (40 mg per litre of dip)	2-5 mins	Non-ionic surfactant required

<u>Mites</u>

One of the following four treatments is required:

(1) Methyl bromide fumigation: fumigation for 2 hours at atmospheric pressure at one of the following combinations of rate (g/m^3) and temperature (^{o}C):

Rate (g/m^3)	Temperature (^{o}C)
48	10 – 15
40	16 – 20
32	21 – 27
28	28 – 32

OR

(2) Actellic room fumigation: 10 cc Actellic/10m^3 of room capacity for 12 hours at 20°C or higher. The first treatment should take place within 14 days after harvesting. Repeat the treatment two more times within an interval of 4 weeks.

OR
(3) 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
(4) 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	Notes
Avermectin	Abamectin (0.009 g per litre of dip/spray)	2-5 mins	Non-ionic surfactant required for dipping
Organochlorine	Dicofol	2-5 mins	
Organophosphorous	Acephate (0.75 g per litre of dip/spray)	2-5 mins	Non-dormant material only
Organophosphorous	Chlorpyrifos (2.4 g per litre of dip/ spray)	2-5 mins	Non-ionic surfactant required for dipping
Organophosphorous	Dimethoate	2-5 mins	Non-dormant material only
Organophosphorous	Pirimiphos-methyl (0.475 g per litre of dip/spray)	2-5 mins	Non-ionic surfactant required for dipping

Nematodes
Both of the following treatments are required:
(1) Methyl bromide fumigation: fumigation for 2 hours at atmospheric pressure at one of the following combinations of rate (g/m^3) and temperature (°C):

Rate (g/m^3)	Temperature (°C)
48	10 – 15
40	16 – 20
32	21 – 27
28	28 – 32

OR
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
(2) Chemical treatment: immersion in fenamiphos (1g a.i. per litre of dip) for 1 hour.

Fungi
Both of the following treatments are required:
(1) 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	Notes
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%), pH 6.5-7	5 mins	Dip at room temperature

AND

(2) 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). Immersion in thiabendazole dip (1-1.3g 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

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	Notes
Benzimidazole	Thiabendazole (1-1.3 g per litre of dip)	15-30 mins	Dip at room temperature Wetting agent required
Benzimidazole	Thiophanate-methyl (0.75 g per litre of dip)	15-30 mins	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 mins	Dip at room temperature
Strobilurin	Azoxystrobin (0.95 g per litre of dip)	15 mins	Dip at room temperature

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.

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

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

All species of nursery stock (cuttings, whole plants, dormant bulbs and tubers) of the following genera must meet the requirements for Ceratocystis fimbriata sensu lato complex (strains not in New Zealand) identified in this section:

- *Acacia*
- *Alocasia*
- *Ananas*
- *Annona*
- *Betula*
- *Carya*
- *Cassia*
- *Celtis*
- *Colocasia*
- *Corymbia*
- *Eriobotrya*
- *Erythrina*
- *Eucalyptus*
- *Fagus*
- *Ficus carica*
- *Inga*
- *Juglans*
- *Mangifera*
- *Metrosideros*
- *Metroxylon*
- *Ostrya*
- *Passiflora*
- *Pimenta*
- *Populus*
- *Protea*
- *Punica*
- *Quercus*
- *Schizolobium*
- *Schotia*
- *Spathodea*
- *Styrax*
- *Syngonium*
- *Tilia*
- *Ulmus*
- *Xanthosoma*

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

The following Additional Declaration shall be endorsed on the phytosanitary certificate:
"The plants have been sourced from a country free from *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand)"

Note: Countries where *Ceratocystis fimbriata sensu lato* complex is known to be present: 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, South Africa, Suriname, Taiwan, Tanzania, Thailand, Uganda, United States, Uruguay, Venezuela, Vietnam, Western Samoa, Zambia.

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

The phytosanitary certificate must have the following additional declaration:
"The plants have been sourced from 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)"
AND
The plants must be tested for *Ceratocystis fimbriata sensu lato* complex (strains not in New Zealand) during the post entry quarantine period, at an MPI approved diagnostic facility.

iii) For nursery stock sourced from MPI approved offshore facilities
Specific measures are detailed in the agreement between MPI and the approved facility, or the plants must be tested for the *C. fimbriata sensu lato* complex (strains not in New Zealand) during the post entry quarantine period, at an MPI approved diagnostic facility.

2.2.1.9 Measures for *Helicobasidium mompa*

ALL species of nursery stock (whole plants, cuttings and dormant bulbs) from the listed countries must meet the requirements of this section, unless stated otherwise in the "schedule of special conditions".

A. For nursery stock from the following countries:

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

For whole plants, cuttings and dormant bulbs:
(i) the phytosanitary certificate must have the following additional declaration:
"The nursery stock has been sourced from a 'pest free area', free from *Helicobasidium mompa*".

B. For nursery stock from the following countries:

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) For dormant bulbs:
(i) the phytosanitary certificate must have the following additional declaration:
"The dormant bulbs have been sourced from a 'pest free area'or 'pest free place of production', free from *Helicobasidium mompa*"

b) For whole plants and cuttings:
(i) the phytosanitary certificate must have the following additional declaration:
"The nursery stock has been sourced from a 'pest free area" or 'pest free place of production', free from *Helicobasidium mompa*"
AND
(ii) the consignment must be treated for the fungus as follows, unless the nursery stock requires Level 3B PEQ as stated in the "Schedule of special entry conditions":

Both of the following treatments are required:
(1) Chemical treatment: spray, or preferably immerse in a dip(s) with agitation, using one of the below active ingredients according to the following conditions. For dipping, the treatment

time is 5 minutes. 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.

Active ingredient	Dip time	Notes
Bromo-chloro-dimethylhydantoin (8.1-16 mg per litre of dip/spray)	5 mins	
Peroxyacetic acid (80 ppm)	5 mins	Dip at room temperature Wetting agent required
Sodium hypochlorite (10%), pH 6.5-7	5 mins	Dip at room temperature

AND

(2) Hot water treatment/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 (1-1.3g 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

Chemical treatment: spray, or preferably 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	Notes
Anilinopyrimidine	Pyrimethanil	15 mins	Dip at room temperature
Benzimidole	Carbendazim (1 g per litre of dip/spray)	20 mins	
Benzimidole	Thiophanate-methyl	10-15 mins	
Chloronitrile	Chlorothalonil	15 mins	Dip at room temperature
Dicarboximide	Iprodione (2 g per litre of dip/spray)	30 mins	
Dimethyldithio-carbamate	Thiram (11.2 g per litre of dip)	-	Dip at room temperature
Phenylurea	Pencycuron	15 mins	
Phosphonate	Fosetyl-aluminium	15 mins	Dip at room temperature
Strobilurin	Azoxystrobin (0.95 g per litre of dip)	15 mins	Dip at room temperature
Triazole	Propiconazole (0.5 g per litre of dip)	5 mins	

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.

2.2.1.10 Measures for *Phymatotrichopsis omnivora*

ALL species of whole plants from the listed countries must meet the requirements of this section.

For whole plants (including rooted cuttings) from Brazil, Mexico, United States of America, or Venezuela, the phytosanitary certificate must have the following additional declaration: "The nursery stock has been sourced from a 'pest free area', free from *Phymatotrichopsis omnivora*".

Guidance:
All consignments must meet the basic conditions listed here unless a variation to these conditions is specified in section 3 Schedule of Special Entry Conditions.

2.2.1.11 Measures for *Phytophthora ramorum*

All nursery stock imported under the schedules listed below, as well as the additional listed genera and/or species/cultivars, are potential hosts of* Phytophthora ramorum *and must meet the requirements specified in this section.

All species imported under the following schedules must meet the requirements for *Phytophthora ramorum* identified in this section:

- *Abies*
- *Acer*
- *Aesculus*
- *Arbutus*
- *Berberis*
- *Carpinus*
- *Castanea*
- *Corylus*
- *Cotoneaster*
- *Eucalyptus*
- *Fagus*
- *Fagus sylvatica*
- *Fuchsia*
- *Gaultheria*
- *Kalmia*
- *Lithocarpus densiflorus*
- *Olea*
- *Photinia*
- *Populus*
- *Pseudotsuga*
- *Quercus*
- *Rhododendron*
- *Rubus*
- *Salix*
- *Ulmus*
- *Viburnum*

All the following genera/species/cultivars must meet the requirements for *Phytophthora ramorum* identified in this section:

- *Alnus*
- *Annona*
- *Betula*
- *Buddleja*
- *Camellia*
- *Camellia sinensis*
- *Celtis*
- *Cercis*
- *Ceratonia*
- *Chamaecyparis*
- *Chimaphila*
- *Choisya*
- *Cistus*
- *Clematis*
- *Empetrum*
- *Erica*
- *Garrya*
- *Gevuina*
- *Grevillea*
- *Hedera*
- *Hydrangea*
- *Ilex*
- *Larix*
- *Liriodendron*
- *Loropetalum*
- *Mahonia*
- *Manglietia*
- *Nerium*
- *Ribes*
- *Robinia*
- *Rosa* cultivar Pink Meidiland
- *Rosa* cultivar Pink Sevillana
- *Rosa* cultivar Royal Bonica
- *Rosa gymnocarpa*
- *Rosa rugosa*
- *Rosa sempervirens*
- *Sambucus*
- *Tilia*
- *Tsuga*

- *Cornus*
- *Corylopsis*
- *Distylium*
- *Picea*
- *Pistacia*
- *Veronica spicata*
- *Zenobia*

Guidance:
Vaccinium species are identified as hosts and have specific measures under the *Vaccinium* Schedule of Special Entry Conditions to manage the risk.

i) For countries recognised by MPI as free of *Phytophthora ramorum*

The following Additional Declaration shall be endorsed on the phytosanitary certificate:

"The plants have been sourced from a 'pest free area', free from *Phytophthora ramorum*"

Note: The following countries are presently recognised by MPI as free of *Phytophthora ramorum*:
Australia, Israel, Japan, and South Africa.

ii) For countries with MPI approved programs (see below)

The following Additional Declaration shall be endorsed on the phytosanitary certificate:

"The plants have been sourced from a NZ MPI approved 'pest free place of production' for *Phytophthora ramorum*"

Note: No countries presently have MPI approved 'pest free place of production' programmes for *Phytophthora ramorum.*

Countries wishing to export *Phytophthora ramorum* host material to New Zealand under option ii are required to develop a *Phytophthora ramorum* 'pest free place of production' program and present it to MPI for evaluation. Prior to accepting a program, MPI Plant Imports will evaluate whether they meet 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.

iii) For nursery stock sourced from MPI approved offshore facilities

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

2.2.1.12 Measures for *Xylella fastidiosa*

***The following measures only apply to nursery stock (whole plants, cuttings and dormant bulbs) identified within the schedule of special conditions as hosts of* Xylella fastidiosa.**

Guidance:

1. All consignments of *Xylella fastidiosa* host whole plants, cuttings, and dormant bulbs must meet the conditions listed here unless a variation to these conditions is specified in section 3 "Schedule of special entry conditions".

i) For countries recognised by MPI as free from *Xylella fastidiosa*

All phytosanitary certificates must be endorsed with the following additional declaration:

"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*"

ii) For countries not recognised by MPI as free from *Xylella fastidiosa*

'1. Additional declaration' AND '2. Pre-determined testing in post entry quarantine' must be met for nursery stock imported under this option.

1. Additional declaration:
All phytosanitary certificates must be endorsed with the following additional declaration:

"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*"

2. Pre-determined testing in post entry quarantine:
PEQ: Level 2 (unless a higher level of PEQ is required in the schedule of special conditions)
Minimum period: 6 months
The plants must be tested for *Xylella fastidiosa* during the PEQ period, at an MPI approved diagnostic facility, as described below:

- The minimum PEQ period will be 6 months, as this is the time required to complete growing inspections and testing for *Xylella fastidiosa*. For example:
  - For schedules which identify a minimum period of 3 months, the minimum PEQ period will be extended to 6 months.
  - For schedules with a minimum period longer than 6 months, the longer period will apply.
- Samples must be collected and tested at the end of the summer (or 'summer-like') period;
  - The unit for testing is defined in section 2.3.2.1 "Pre-determined testing".
  - Plants shall 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.
  - The samples must be tested by PCR for *Xylella fastidiosa*.
  - All samples must test negative.

iii) For nursery stock sourced from MPI approved offshore facilities

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

Guidance:
The following countries are not recognised by MPI as free from *Xylella fastidiosa*:

- **All countries in Europe (except the UK)**
- **The Americas and the Caribbean (all countries)**
- **Asia**: Taiwan
- **Near East**: Iran, Iraq, and Lebanon

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

2.2.1.13 Measures for *Phellinus noxius*

The following measures only apply to whole plants including rooted cuttings (not dormant bulbs or unrooted cuttings), identified within the schedule of special conditions as hosts of Phellinus noxius

i) For countries recognised by MPI as free from *Phellinus noxius*

The following Additional Declaration must be endorsed on the phytosanitary certificate:

"The plants have been sourced from a country free from *Phellinus noxius*"

ii) For countries not recognised by MPI as free from *Phellinus noxius*

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 sourced from a 'pest free area', [*insert area name*], free from *Phellinus noxius*".

Guidance:
Countries where *Phellinus noxius* is known to be present:

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

2.2.1.14 Post-Entry Quarantine

Following arrival in New Zealand all nursery stock, unless specified in the schedules of special entry conditions, must undergo a period of post entry quarantine (PEQ) in order to check for the presence of regulated pests and/or diseases.

PEQ will be carried out in a transitional facility registered in accordance with the Facility Standard PEQ.STD: Post Entry Quarantine for Plants. The nursery stock must be actively growing throughout the quarantine period. The quarantine period:

- will be a minimum of 3 months for species with a nursery stock import specification of 'L2 (Basic)' as indicated in the Plants Biosecurity Index (PBI); or
- will be the minimum period stated in the schedule of special entry conditions.

The quarantine period may be extended if material is slow growing, pests and diseases are detected, or testing or treatments are required.

The MPI Inspector has full authority to determine when the plant material may receive biosecurity clearance.

Guidance:
A list of MPI-aapproved post entry quarantine facilities for public use is available on MPI's website:
http://www.mpi.govt.nz/news-and-resources/resources/registers-and-lists/post-entry/

2.2.2 ENTRY CONDITIONS FOR TISSUE CULTURE

2.2.2.1 Labelling

Cultures must be clearly identified with their scientific name (genus and species).

2.2.2.2 Cleanliness & Tissue Culture Media

Cultures imported in growing media must have been grown in the vessel in which they are imported. The vessel (rigid container, bag or pottle) must be pest proof and transparent. The tissue culture medium must not contain fungicides or antibiotics. Plants in tissue culture must be produced in a facility under conditions that prevent contamination with regulated pests.

2.2.2.3 Phytosanitary Certificate

Cultures must be accompanied by a phytosanitary certificate, certifying that the tissue culture has been inspected in the exporting country according to appropriate procedures and conforms with New Zealand's current entry conditions.

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

> "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".

2.2.2.4 Import Permit

An import permit is required when the schedule of special conditions states that:

- An import permit is a required document; or
- The cultures require a period of growth in post entry quarantine; or
- The cultures must meet the requirements of section 2.2.2.5 “Measures for *Xylella fastidiosa* on tissue culture” part ii (requiring PEQ and pre-determined testing).

2.2.2.5 Measures for *Xylella fastidiosa* on tissue culture

The following measures only apply to nursery stock (tissue cultures) identified within the schedule of special conditions as hosts of Xylella fastidiosa.

Guidance: All consignments of *Xylella fastidiosa* host tissue culture must meet the conditions listed here unless a variation to these conditions is specified in section 3 “Schedule of special entry conditions”.

i) **For countries recognised by MPI as free from *Xylella fastidiosa***

OPTION 1: ***Both the tissue cultures AND the mother plants have only been grown in the country of origin, AND this can be certified by the exporting NPPO.***
All phytosanitary certificates must be endorsed with the following additional declaration:

"The tissue cultures/plants in-vitro 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*".

Note: PEQ is not required for tissue cultures imported under this option, unless PEQ is a requirement of the schedule of special entry conditions.

OPTION 2: ***The country of origin of the mother plants is <u>not</u> the same as the country of origin of the tissue cultures.***
The tissue cultures must meet the requirements for tissue cultures from all other countries.

ii) **For countries not recognised by MPI as free from *Xylella fastidiosa***

'1. Additional declaration' AND '2. Pre-determined testing in post entry quarantine' must be met for tissue cultures imported under this option.

1. Additional declaration:
All phytosanitary certificates must be endorsed with the following additional declaration:

"The tissue cultures/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*".

2. Pre-determined testing in post entry quarantine:
PEQ: Level 2 (unless a higher level of PEQ is required in the schedule of special conditions)
Minimum period: 6 months (in the PEQ greenhouse)
The plants must be tested for *Xylella fastidiosa* during the PEQ period, at an MPI approved diagnostic facility, as described below:

- The minimum PEQ period will be 6 months, as this is the time required to complete growing season inspections and testing for *Xylella fastidiosa*. For example:
  - For schedules which identify a minimum period of 3 months, the minimum PEQ period will be extended to 6 months.
  - For schedules with a minimum period longer than 6 months, the longer period will apply.
- Samples must be collected and tested at the end of the summer (or 'summer-like') period:
  - The unit for testing is defined in section 2.3.2.1 "Pre-determined testing".
  - Plants shall 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.
  - The samples must be tested by PCR for *Xylella fastidiosa*.
  - All samples must test negative.

iii) **For nursery stock sourced from MPI approved offshore facilities**
Specific measures are detailed in the agreement between MPI and the approved facility.

Guidance:
The following countries are not recognised by MPI as free from *Xylella fastidiosa*:

- **All countries in Europe (except the UK)**
- **The Americas and the Caribbean (all countries)**
- **Asia**: Taiwan
- **Near East**: Iran, Iraq, and Lebanon

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

2.2.2.6 Post-Entry Quarantine for tissue cultures

Tissue cultures only require a period of post entry quarantine in order to check for the presence of regulated pests and/or diseases when the schedule of special conditions states:

- The cultures require a period of growth in post entry quarantine; AND/OR
- The cultures must meet the requirements of section 2.2.2.5 "Measures for *Xylella fastidiosa* on tissue culture" **and** will be imported under section 2.2.2.5 part ii (requiring PEQ and pre-determined testing).

Post entry quarantine will be carried out in a transitional facility registered in accordance with the Facility Standard PEQ.STD: Post Entry Quarantine for Plants. The tissue cultures must be actively growing throughout the quarantine period. The quarantine period:

- Will be the minimum period stated in the schedule of special entry conditions, which may be extended if pre-determined testing is required; AND
- May be extended if material is slow growing, pests and diseases are detected, testing or treatments required.

Tissue cultures must be deflasked into a PEQ greenhouse for the completion of growing season inspections and testing, unless the schedule of special conditions states that they must be held in a PEQ Tissue culture laboratory:

- For tissue cultures that must be held in a PEQ 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 the schedule of special conditions (e.g. temperature requirements). Sub-culturing during the PEQ period must <u>not</u> occur.
- For tissue cultures that must be grown in a PEQ greenhouse, the quarantine period will begin when the plants are deflasked in the greenhouse. Prior to deflasking tissue cultures into the PEQ greenhouse, individual imported tissue culture plantlets may be sub-cultured to enable multiplication of tissue-cultured plant material during the PEQ period, as described below:
  - At least one sub-culture must be developed to the stage where it can be deflasked and transferred to the glasshouse for the completion of growing season inspections and testing. In cases where only one culture is obtained from the first round of sub-culturing, a culture for deflasking must be taken during the first appropriate multiplication. Traceability must be maintained to the individual imported tissue culture plantlet.
  - Other subcultures derived from the same individual imported tissue culture plantlet may be kept in culture at a PEQ tissue culture laboratory, and may be multiplied further during the PEQ period. The level of PEQ tissue culture laboratory must be the same (or higher) as that required for the greenhouse plants; however, a Level 3 tissue culture laboratory is suitable for species which require either a Level 3A or 3B PEQ greenhouse. Provided traceability to the individual

imported tissue culture plantlet (and greenhouse plant) is maintained, this progeny may also be given biosecurity clearance.

The MPI Inspector has full authority to determine when the plant material may receive biosecurity clearance.

2.2.3 IMPORTATION OF POLLEN

The schedule of special conditions must list pollen as an approved commodity type for importation to occur under this section

An import permit must be obtained from MPI prior to import. Prior to 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.

2.2.4 IMPORTATION OF NEW ORGANISMS

Proposals for the deliberate introduction of new organisms as defined by the Hazardous Substances and New Organisms Act 1996 should be referred to the Environmental Protection Authority (see section 1.5).

2.3 COMPLIANCE PROCEDURES

The nursery stock will be inspected using a randomly selected minimum 600 unit sample, to ensure that it complies with the entry conditions.

Guidance:

1. On arrival in New Zealand all documentation associated with the importation will be inspected by an inspector to ensure compliance.
2. Visual inspection of tissue culture upon arrival in New Zealand will determine if the tissue culture shows any signs of contamination (e.g. cloudy agar, fungal spores or bacterial growth). If contamination is observed the importer will be given the option of reshipment or destruction of the consignment.
3. If organisms are detected that cannot be identified, they will be treated as regulated organisms. If the number of units infested with quarantine pests exceeds the acceptance number, the nursery stock will be treated, reshipped or destroyed as directed by the inspector, at the expense of the importer.

2.3.1 VALIDATION OF OVERSEAS MEASURES

For all imported nursery stock, MPI reserves the right to validate all measures that are undertaken overseas. This includes measures undertaken by national plant protection organisations, MPI-approved offshore facilities.

2.3.2 TREATMENT AND TESTING OF THE CONSIGNMENT

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.

Upon arrival and following inspection at the border, if any required treatment(s) or testing of the consignment has not been completed within the prescribed period, these measures may be

completed in New Zealand where such services are available, and by prior arrangement with MPI.

All testing and treatment in New Zealand must be completed in MPI-approved facilities, approved to the Facility Standard 155.04.03: *Standard for Transitional Facilities for the Identification of Organisms.* Treatment requirement: *Treatment supplier requirements*.

2.3.2.1 Pre-determined testing

The schedule of special entry conditions identifies when pre-determined testing is required for plant material being held in post entry quarantine. For material which requires pre-determined testing, the unit for testing is defined as follows:

The unit for testing 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)

Samples taken from up to five plants being grown in post entry quarantine can be combined to form a single composite sample for pre-determined 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 offshore mother plant; or
(iii)different mother plants of the same species.

Enzyme-linked immunosorbent assay (ELISA)

Samples taken from up to five plants being grown in post entry quarantine can be combined to form a single composite sample for pre-determined testing by ELISA, 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, where the phytosanitary certificate is endorsed with an additional declaration certifying that the plantlets/cuttings have been derived from the same mother plant.

2.3.3 BIOSECURITY CLEARANCE

A biosecurity clearance, under section 26 of the Biosecurity Act 1993, may be given when the nursery stock meets the requirements of this standard. There are other restrictions in section 27 and 28 of the Biosecurity Act 1993 on the giving of biosecurity clearances i.e. compliance with an import health standard or import permit does not guarantee biosecurity clearance will be given. As per Section 27 of the Biosecurity Act 1993, biosecurity clearance will not be given if an inspector considers that the nursery stock is infected, or is showing signs of being infected, with organisms that may be unwanted organisms, or the inspector considers there has been a change in circumstances, or in the state of knowledge, that makes it unwise to give biosecurity clearance.

For nursery stock imported under an import permit, should there be a change in circumstances or the state of knowledge, the import permit will be amended to identify the requirements that must be met before the consignment is eligible for biosecurity clearance. This may include, but is not limited to, a change in the pest host status of the nursery stock, a change in the distribution or virulence of a pest, or the availability of a new or improved test method.

2.4 NEW ZEALAND NURSERY STOCK RETURNING FROM OVERSEAS

All returning product of New Zealand origin will be regarded as offshore nursery stock and must meet the requirements of the import health standard or be reshipped or destroyed, except under the following circumstances:

(i) Nursery stock "unopened" offshore
Product in its original pest-proof container with the original seals intact is permitted entry subject to a product reconciliation check on arrival to verify that it is New Zealand produce.

(ii) Nursery stock "opened" offshore
Nursery stock inspected offshore, and rejected for any reason, is permitted entry subject to the following:

(a) verification that the nursery stock was either returned to its 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; and
(c) inspection, clearance and reconciliation of the consignment on arrival in New Zealand as per section 2 of this standard; and
(d) treatment with a generic insecticide and miticide as per sections 2.2.1.6 (whole plants and cuttings) or 2.2.1.7 (dormant bulbs) of this standard.

3. SCHEDULE OF SPECIAL ENTRY CONDITIONS

3.1 SPECIAL ENTRY CONDITIONS

Plant genera listed in these schedules have entry requirements that differ in some way from the **Basic Conditions** (Section 2.2.1 and 2.2.2). Differences may involve:

- special isolation requirements; or
- special treatment requirements; or
- minimum quarantine period; or
- a requirement for a specified Level of PEQ (e.g. L1, L2, L3, L3A, L3B); or
- special phytosanitary certificate additional declarations.

All consignments must meet the **Basic Conditions** in Section 2.2.1 and 2.2.2 unless a variation to these conditions is specified in the schedule.

3.2 APPROVAL OF OFFSHORE PLANT QUARANTINE FACILITIES

Nursery stock normally subject to post-entry quarantine may be imported from MPI-approved (registered) facilities overseas under predetermined conditions, with a reduced PEQ requirement following arrival in New Zealand. Overseas facilities must be approved by MPI according to the Administrative Standard: Standard for Offshore Facilities Holding and Testing Plants for Planting. A list of MPI-approved offshore facilities is available on MPI's website: http://mpi.govt.nz/news-and-resources/resources/registers-and-lists/offshore/

3.3 AMENDMENTS TO THE PLANTS BIOSECURITY INDEX

Guidance:
The Plants Biosecurity Index will be updated with plant species assessed by the EPA as being either "not new organisms" or approved for entry into New Zealand. The Plants Biosecurity Index will be continuously updated on MPI's website.

The information provided within the Plants Biosecurity Index website is only intended to be general information to the public. It is not intended to take the place of, or to represent, the written law of New Zealand or other official guidelines or requirements. Website users are advised to contact MPI to confirm import status.

Abies

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Abies*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Bursaphelenchus* spp., *Lophodermium* spp., *Phytophthora capsici*, *Phytophthora ramorum*, *Uredinales*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2, but subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Acacia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Acacia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Ceratocystis fimbriata*, *Cucumber green mottle mosaic virus, Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, *Phytophthora ramorum*, *Ralstonia pseudosolanacearum*, *Tomato brown rugose fruit virus, Tomato chlorotic dwarf viroid*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to the following genera: *Acacia* and *Passiflora*

b. Conditions for *Phytophthora capsici*
Note: Only applies to the following genus: *Portulaca*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genus: *Rosmarinus*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

d. Conditions for *Phytophthora ramorum* (section 2.2.1.11)
Note: Only applies to the following species: *Veronica spicata*

e. Conditions for *Ralstonia pseudosolanacearum*
Note: Only applies to members of the following genus: *Pelargonium*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".

f. Conditions for *Tomato chlorotic dwarf viroid*
Note: Only applies to the following species: *Vinca minor*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Vinca minor*".

g. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

h. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Artemisia capillaris*, *Artemisia princeps*, *Duranta repens*, *Nerium oleander*, **and** applies to all members of the *Acacia* genus

i. Conditions for *Cucumber green mottle mosaic virus*
Note: Only applies to members of the following genus: *Portulaca*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from *Cucumber green mottle mosaic virus*".

OR

ii) "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*".

j. Conditions for *Tomato brown rugose fruit virus*
Note: Only applies to members of the following genera: *Malva, Portulaca*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from *Tomato brown rugose fruit virus*".

OR

ii) "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*".

B. For Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to the following genera: *Acacia* and *Passiflora*

b. Conditions for *Phytophthora capsici*
Note: Only applies to the following genus: *Portulaca*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genus: *Rosmarinus*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

d. Conditions for *Phytophthora ramorum* (section 2.2.1.11)
Note: Only applies to the following species: *Veronica spicata*

e. Conditions for *Ralstonia pseudosolanacearum*
Note: Only applies to members of the following genus: *Pelargonium*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".

f. Conditions for *Tomato chlorotic dwarf viroid*
Note: Only applies to the following species: *Vinca minor*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Vinca minor*".

g. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

h. Conditions for *Cucumber green mottle mosaic virus*
Note: Only applies to members of the following genus: *Portulaca*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from *Cucumber green mottle mosaic virus*".

OR

ii) "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. Conditions for *Tomato brown rugose fruit virus*
Note: Only applies to members of the following genera: *Malva, Portulaca*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from *Tomato brown rugose fruit virus*".

OR

ii) "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*".

C. For Tissue Culture

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Ralstonia pseudosolanacearum*
Note: Only applies to members of the following genus: *Pelargonium*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".

b. Conditions for *Tomato chlorotic dwarf viroid*
Note: Only applies to the following species: *Vinca minor*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Vinca minor*".
Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Tomato chlorotic dwarf viroid* during the quarantine period.

c. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

d. Conditions for *Cucumber green mottle mosaic virus*
Note: Only applies to members of the following genus: *Portulaca*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

iii) "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from *Cucumber green mottle mosaic virus*".

OR

iv) "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*".

e. Conditions for *Tomato brown rugose fruit virus*
Note: Only applies to members of the following genera: *Malva, Portulaca*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

iii) "The [insert plant species] plants in this consignment have been produced in a 'pest free area', free from *Tomato brown rugose fruit virus*".

OR

iv) "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*".

D. For Whole Plants, Cuttings or Tissue cultures imported into a level 3A PEQ facility

Note: Only applies to members of the following genera: *Malva, Pelargonium, Portulaca*

Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum* for imports of *Pelargonium* species, for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Cucumber green mottle mosaic virus* for imports of *Portulaca* species, or for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Tomato brown rugose fruit virus* for imports of *Malva* or *Portulaca* species.

As per section 2.2.2.4, an import permit is required
PEQ: Level 3A
Minimum Period: 3 months

a. Conditions for *Ralstonia pseudosolanacearum*
Note: Only applies to members of the following genus: *Pelargonium*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Pelargonium*"

b. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.1.12 or 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 3A PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

c. Conditions for *Cucumber green mottle mosaic virus*
Note: Only applies to members of the following genus: *Portulaca*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Portulaca*"

d. Conditions for *Tomato brown rugose fruit virus*
Note: Only applies to members of the following genus: *Malva, Portulaca*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Malva* and *Portulaca*"

Inspection, Testing and Treatment Requirements for *Malva, Pelargonium, Portulaca,* and *Vinca minor*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Bacteria		
Ralstonia pseudosolanacearum	Growing season inspection in PEQ for symptom expression **AND** plating on selective media **OR** PCR	Applies to *Pelargonium* whole plants, cuttings, and tissue culture imported into a level 3A PEQ facility
Xylella fastidiosa	Refer to section 2.2.1.12 "Measures for *Xylella fastidiosa*"	Applies to whole plants and cuttings only. Testing requirements for *Xylella fastidiosa* are identified in section 2.2.1.12.
	Refer to section 2.2.2.5 "Measures for *Xylella fastidiosa* on tissue culture"	Applies to tissue culture only. Testing requirements for *Xylella fastidiosa* are identified in section 2.2.2.5.
Viroids		
Cucumber green mottle mosaic virus	PCR based methods	Applies to *Portulaca* whole plants, cuttings, and tissue culture imported into a level 3A PEQ facility
Tomato brown rugose fruit virus	PCR based methods	Applies to *Malva* and *Portulaca* whole plants, cuttings, and tissue culture imported into a level 3A PEQ facility
Tomato chlorotic dwarf viroid	PCR based methods	Only applies to *Vinca minor* whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Tomato chlorotic dwarf viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Acer*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Cryphonectria parasitica*, *Phytophthora palmivora*, *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11), and

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12), and
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

d. Conditions for *Cryphonectria parasitica*
Additional Declaration: "*Cryphonectria parasitica* is not known to occur in _____ _____[the country or state where the plants/cuttings were produced]".

OR
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

B. For Tissue Culture
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Acrocomia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Acrocomia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Hawaii, mainland United States of America

Quarantine Pests: Cadang-cadang, *Ceratocystis fimbriata*, Lethal yellowing, *Phellinus noxius*, *Phytophthora palmivora*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants and Cuttings
PEQ: Level 2
Minimum Period: 3 months
Height Limit: Plants must not exceed 1.5m in height

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Metroxylon* genus

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to members of the *Phoenix* genus
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

c. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Areca catechu*, *Areca triandra*, *Chrysalidocarpus lutescens*, *Coco nucifera*, *Elaeis guineensis*, *Roystonea regia*

d. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genera: *Archontophoenix*, *Areca*, *Bactris*, *Borassus*, *Chamaedorea*, *Chrysalidocarpus*, *Cocos*, *Elaeis*, *Howea*, *Livistona*, *Rhopalostylis*, *Sabal*, *Syagrus*, *Trachycarpus* and *Washingtonia*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

e. Conditions for Cadang cadang and lethal yellowing
Additional Declaration: "Cadang cadang and lethal yellowing are not known to occur in _____[the country or state where the plants were grown]".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Note: Only applies to members of the *Phoenix* genus
Guidance for importers: The minimum quarantine period will be 6 months for tissue cultures sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for Cadang cadang and lethal yellowing
Additional Declaration: "Cadang cadang and lethal yellowing are not known to occur in _____[the country or state where the plants were grown]".

Actinidia

Note: The guidance below only applies to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Actinidia*".

Guidance:
Actinidia nursery stock (plants for planting) is no longer eligible for import under this schedule. Import requirements for *Actinidia* plants for planting are now set out in: Import Health Standard: *Actinidia* Plants for Planting, available on the plant imports website at: https://www.biosecurity.govt.nz/importing/plants/nursery-stock/

Aesculus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Aesculus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phellinus noxius*, *Phytophthora palmivora*, *Phytophthora ramorum*, *Tomato chlorotic dwarf viroid*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genus: *Syringa*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".
OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Tomato chlorotic dwarf viroid*
Note: Only applies to the following species: *Pittosporum tobira*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Pittosporum tobira*".

d. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

e. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Fraxinus griffithii* and *Rhus succedanea*

B. For Cuttings

PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genus: *Syringa*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

e. Conditions for *Tomato chlorotic dwarf viroid*
Note: Only applies to the following species: *Pittosporum tobira*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Pittosporum tobira*".

d. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

C. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

PLUS

a. Conditions for *Tomato chlorotic dwarf viroid*
Note: Only applies to the following species: *Pittosporum tobira*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Pittosporum tobira*".
Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Tomato chlorotic dwarf viroid* during the quarantine period.

b. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Inspection, Testing and Treatment Requirements for *Pittosporum tobira*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Bacteria		
Xylella fastidiosa	Refer to section 2.2.1.12 "Measures for *Xylella fastidiosa*"	Applies to whole plants, cuttings only. Testing requirements for *Xylella fastidiosa* are identified in section 2.2.1.12
	Refer to section 2.2.2.5 "Measures for *Xylella fastidiosa* on tissue culture"	Applies to tissue culture only. Testing requirements for *Xylella fastidiosa* are identified in section 2.2.2.5
Viroids		
Tomato chlorotic dwarf viroid	PCR based method	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Tomato chlorotic dwarf viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Allium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

1. Type of *Allium* nursery stock approved for entry into New Zealand
Dormant bulbs
Plants in tissue culture

2. Pests of *Allium*
Refer to the pest list.

3. Entry conditions for:

3.1 *Allium* dormant bulbs from any country
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Allium* dormant bulbs have been:

- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- sourced from a 'pest free area' (country freedom), free from regulated nematodes and fungi OR treated for regulated nematodes and fungi as described in section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- treated for regulated insects and mites as described in section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from a 'pest free area' (country freedom) free from the organisms listed below:
  - **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.*
- **Bacteria:**
  Erwinia chrysanthemi pv. Chrysanthemi, Burkholderia cepacia, Pseudomonas xanthochlora, and *Xylella fastidiosa.*

AND

- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) <u>*Additional declarations to the phytosanitary certificate*</u>

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 endorsing the following additional declarations to the phytosanitary certificate:

"The *Allium* dormant bulbs in this consignment have been sourced:

- from a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated nematodes and fungi [if applicable].

  AND
- from a 'pest free area' (country freedom), free from regulated phytoplasmas (Aster yellows phytoplasma, Garlic decline phytoplasma and Onion yellows phytoplasma), viruses (*Garlic dwarf virus*, *Garlic mite-borne latent virus*, *Garlic virus X*, *Onion mite-borne latent virus*, *Shallot yellow stripe virus*, *Sint-Jan's onion latent virus* and *Tobacco rattle virus*), and bacteria (*Erwinia chrysanthemi pv. Chrysanthemi, Burkholderia cepacia* and *Pseudomonas xanthochlora*)."

  AND
- One of the following Additional Declarations for *Phytophthora capsici* and *P. palmivora:*
  i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici* and *P. palmivora*".

     OR

  ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici* and *P. palmivora*".

     OR

  iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici* and *P. palmivora*".

AND

- Conditions for *Xylella fastidiosa* (section 2.2.1.12)

  Guidance for importers: The minimum quarantine period will be <u>6 months</u> for nursery stock sourced from countries <u>not</u> recognised by MPI as free from *Xylella fastidiosa*

(iv) <u>*Post-entry quarantine*</u>

PEQ: Level 2

Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Six months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

(v) *Assessment of Equivalent Phytosanitary Status*
Where the pre-export phytosanitary requirements (part ii) can not be met, a request for assessment of equivalent phytosanitary status can be made to MPI.

3.2 *Allium* plants in tissue culture from any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.

(ii) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(iii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Allium* 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
- sourced from a 'pest free area' (country freedom) free from the organisms listed below:
  - **Bacteria:**
    Xylella fastidiosa
    Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.
  - **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*.

(iv) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the following additional declaration to the phytosanitary certificate:

> "The *Allium* tissue cultures in this consignment have been sourced from a 'pest free area' (country freedom), free from regulated bacteria (*Xylella fastidiosa*), phytoplasmas (Aster yellows phytoplasma, Garlic decline phytoplasma and Onion yellows phytoplasma) and viruses (*Garlic dwarf virus*, *Garlic mite-borne latent virus*, *Garlic virus X*, *Onion mite-borne latent virus*, *Shallot yellow stripe virus*, *Sint-Jan's onion latent virus* and *Tobacco rattle virus*)."

(v) *Post-entry quarantine*
Post-entry quarantine is not required, provided that the pre-export phytosanitary requirements are completed, and the phytosanitary certificate is endorsed with the required additional declaration (part iv).

(vi) *Assessment of Equivalent Phytosanitary Status*
Where the pre-export phytosanitary requirements (part iii) can not be met, a request for assessment of equivalent phytosanitary status can be made to MPI.

Pest List for *Allium*

REGULATED PESTS (actionable)

Insect	
Insecta	
Coleoptera	
Curculionidae	
Brachycerus muricatus	weevil
Brachycerus undatus	weevil
Ceutorhynchus jakovlevi	onion weevil
Nitidulidae	
Carpophilus obsoletus	dried fruit beetle
Diptera	
Anthomyiidae	
Delia antiqua	onion maggot
Delia florilega	onion fly
Heleomyzidae	
Suillia lurida	garlic fly
Suillia univittata	-
Syrphidae	
Eumerus amoenus	onion bulb fly
Lepidoptera	
Cossidae	
Dyspessa ulula	garlic moth
Yponomeutidae	
Acrolepia alliella	-
Acrolepia sapporensis	allium leafminer
Acrolepiopsis assectella	leek moth
Thysanoptera	
Thripidae	
Thrips tabaci [vector]	onion thrips
Mite	
Arachnida	
Acarina	
Acaridae	
Rhizoglyphus setosus	bulb mite
Eriophyidae	
Aceria tulipae [vector]	wheat curl mite
Nematode	
Adenophorea	
Dorylaimida	
Longidoridae	
Paralongidorus maximus	-
Trichodoridae	
Paratrichodorus allius	stubby root nematode
Paratrichodorus minor [vector]	stubby root nematode
Paratrichodorus teres	stubby root nematode
Secernentea	
Tylenchida	
Aphelenchoididae	
Aphelenchoides besseyi	rice white-tip nematode
Aphelenchoides parietinus	-
Belonolaimidae	
Belonolaimus gracilis	sting nematode
Hoplolaimidae	
Helicotylenchus indicus	sprial nematode
Helicotylenchus microlobus	spiral nematode
Helicotylenchus multicinctus	spiral nematode

Hoplolaimus seinhorsti	lance nematode
Rotylenchulus reniformis	reniform nematode
Meloidogynidae	
Meloidogyne arenaria	peanut root knot nematode
Meloidogyne chitwoodi	root knot nematode
Tylenchidae	
Ditylenchus dipsaci [strains not in New Zealand]	stem and bulb nematode
Fungus	
Ascomycota	
Dothideales	
Mycosphaerellaceae	
Mycosphaerella allii-cepae (anamorph *Cladosporium allii-cepae*)	leaf blotch
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Basidiomycota: Teliomycetes	
Uredinales	
Melampsoraceae	
Melampsora allii-fragilis	rust
Pucciniaceae	
Puccinia asparagi	asparagus rust
Basidiomycota: Ustomycetes	
Ustilaginales	
Tilletiaceae	
Urocystis colchici	leaf smut
Oomycota	
Peronosporales	
Peronosporaceae	
Phytophthora capsici	fruit rot of peppers
Phytophthora palmivora	black rot
mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Phyllosticta allii	leaf blight
Septoria viridi-tingens	--
Bacterium	
Enterobacteriaceae	
Erwinia chrysanthemi pv. *chrysanthemi*	bacterial soft rot
Pseudomonadaceae	
Burkholderia cepacia	sour skin
Pseudomonas xanthochlora	-
Xanthomonadaceae	
Xylella fastidiosa	Bacterial leaf scorch
Virus	
Garlic dwarf virus	-
Garlic mite-borne latent virus	-
Garlic virus X	-
Onion mite-borne latent virus	-
Shallot yellow stripe virus	-
Sint-Jan's onion latent virus	-
Tobacco rattle virus [strains not in New Zealand]	-
Phytoplasma	
Aster yellows phytoplasma	-
Garlic decline phytoplasma	-
Onion yellows phytoplasma	-

Alstroemeria

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Alstroemeria*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

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: *Broad bean wilt virus 2*, *Frankliniella occidentalis*, *Liriomyza* spp.

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Frankliniella occidentalis* and *Liriomyza* spp.
Additional Declaration: "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

B. For Dormant Bulbs
OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
i) **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."
OR
ii) **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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For Tissue Cultures

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, India, Ireland, Israel, Italy, Luxembourg, The Netherlands, Portugal, South Africa, Spain, Sweden, United Kingdom, United States of America.

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Broad bean wilt virus 2*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "The [insert plant species] plants in tissue culture in this consignment derive from plants that were tested by [PCR OR ELISA] and found free from *Broad bean wilt virus 2*."

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Ananas*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

Imports of *Ananas comosus* whole plants and cuttings are suspended.
Phytosanitary measures need to be reviewed before *Ananas comosus* whole plants and cuttings can be imported. Click here to learn how to request a review.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Ceratocystis fimbriata, Dickeya zeae, Fusarium verticilliodes, Pantoea ananatis, Phytophthora cinnamomi* (strains not in New Zealand)*, Phytophthora megakarya, Phytophthora palmivora*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Documentation

Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Ananas* nursery stock exported into New Zealand.

Import permit: an import permit is required

b. Phytosanitary requirements

The *Ananas* plants in tissue culture must be:

i) Inspected by the exporting NPPO in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.

ii) **AND, either**

Option 1 – Offshore mother plant testing

- derived from mother plants tested and found to be free of *Dickeya zeae*, *Fusarium verticilliodes*, *Pantoea ananatis*, *Phytophthora cinnamomi*, and *Phytophthora megakarya*

  AND
- held in a manner to ensure that infestation/reinfestation does not occur following certification.

OR

Option 2 – Onshore testing of plants in Post-entry Quarantine (PEQ)

- tested and found free from *Dickeya zeae, Fusarium verticilliodes, Pantoea ananatis, Phytophthora cinnamomi,* and *Phytophthora megakarya* while in post-entry quarantine in New Zealand. Refer to the subsection entitled "Inspection, Testing and Treatment Requirements for *Ananas*".

c. 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 if mother plant testing is done offshore prior to export:

i) The *Ananas* plants in tissue culture have been derived from mother plants tested and found to be free of *Dickeya zeae*, *Fusarium verticilliodes*, *Pantoea ananatis*, *Phytophthora cinnamomi*, and *Phytophthora megakarya*.

d. Post-entry quarantine

All *Ananas* tissue cultures must be imported into post entry quarantine in a Level 2 quarantine facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.

Additional requirements at a Level 2 quarantine facility

i) 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).
ii) Irrigation water must be collected and either allowed to evaporate or treated prior to disposal;
iii) 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;
iv) 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.

Quarantine period and Inspection, Testing and Treatment requirements:

Tissue culture plants 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. During this time plants will be inspected, treated, and/or tested for regulated pests as specified in the "Inspection, Testing and Treatment Requirements for *Ananas*" at the expense of the importer. Testing is required in PEQ if mother plant testing is not completed offshore. Three months is an indicative minimum quarantine period which may be extended if material is slow growing, pests are detected, or treatments/tests are required.

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

Inspection, Testing and Treatment Requirements for *Ananas*

Samples must be collected and tested after 3 months of active growth. Each new plant must produce 5 new leaves after deflasking. The unit for testing is defined in section 2.3.2.1 "Pre-determined testing".

- Each plant shall be sampled from the following plant parts: including roots, vascular tissue, fully expanded leaves at the top of the stem, and young leaves.
- All samples must have negative test results.

ORGANISM	MPI-ACCEPTED METHODS
Bacteria	
Dickeya zeae	Growing season inspection in PEQ for disease symptom expression **AND** PCR **or** plating on selective media
Pantoea ananatis	Growing season inspection in PEQ for disease symptom expression **AND** PCR **or** plating on selective media
Fungi	
Fusarium verticilliodes	Growing season inspection in PEQ for disease symptom expression **AND** PCR **or** plating on selective media
Oomycetes	
Phytophthora cinnamomi	Growing season inspection in PEQ for disease symptom expression **AND** PCR **or** plating on selective media
Phytophthora megakarya	Growing season inspection in PEQ for disease symptom expression **AND** PCR **or** plating on selective media

Andromeda

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Andromeda*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Chrysomyxa ledi*, *Microsphaera* spp.

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

b. Conditions for *Chrysomyxa ledi* and *Microsphaera* spp.

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Chrysomyxa ledi* and *Microsphaera* spp. are not known to occur in _____ _____[the country or state of where the plants were grown]".

OR

ii) "The plants were inspected during the growing season and no *Chrysomyxa ledi* or *Microsphaera* spp. was detected.

AND

- The plants have been dipped prior to export in propiconazole at the rate of 0.5g a.i. per litre of water."

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Anemone

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Anemone*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

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: Uredinales

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for Uredinales
Additional declaration: "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on _____[the host species being imported] in _____[the country in which the plants were grown]".

B. For Dormant Bulbs

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Anthurium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Anthurium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phytophthora capsici*, *Ralstonia pseudosolanacearum*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. Whole Plants and Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

b. Conditions for *Ralstonia pseudosolanacearum*
Note: Only applies to the following genera: *Anthurium*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*)".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".

Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to members of the *Ocimum* genus.
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

B. For Tissue Culture
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Ralstonia pseudosolanacearum*
Note: Only applies to the following genera: *Anthurium*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".

b. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
Note: Only applies to members of the *Ocimum* genus.
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from Xylella fastidiosa.

C. For Whole Plants, Cuttings or Tissue cultures imported into a level 3A PEQ facility
Note: Only applies to the following genera: *Anthurium*
Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum*

PEQ: Level 3A
Minimum Period: 3 months

a. Conditions for *Ralstonia pseudosolanacearum*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Anthurium*"

Inspection, Testing and Treatment Requirements for *Anthurium*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Bacteria		
Ralstonia pseudosolanacearum	Growing season inspection in PEQ for symptom expression **AND** plating on selective media **OR** PCR	Applies to *Anthurium* whole plants, cuttings, and tissue culture imported into a level 3A PEQ facility

Anubias

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Anubias*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Leeches, snails, snail eggs, worms

Entry Conditions: **Basic**; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Additional Declaration:
"The plants were inspected immediately prior to export and no snails, snail eggs, worms or leeches were detected in a 600 unit sample".

Special Conditions:

i) each aquarium must be clear sided and clearly labelled as follows:

QUARANTINE AQUARIUM
MPI Registration Number:
Name of Quarantine Operator:

ii) the aquarium must be 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 a copper sulphate crystal in a litre of water);

iii) must be inside a building which can be secured; and

iv) must be at least 5m away from a non-quarantine aquarium.

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Araucaria

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Araucaria*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

Imports of *Nephelium lappaceum* are suspended. Phytosanitary measures need to be reviewed before *Nephelium lappaceum* can be imported. Click here to learn how to request a review.

Guidance:
Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phellinus noxius* (section 2.2.1.13)

b. Conditions for *Phytophthora capsici*
Note: Only applies to the following genus: *Piper*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".
OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genera: *Aleurites*, *Anacardium*, *Annona*, *Azadirachta*, *Bougainvillea*, *Pachira* and *Piper*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

d. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the following genus: *Broussonetia*
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Cuttings

PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora capsici*
Note: Only applies to the following genus: *Piper*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

b. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genera: *Aleurites*, *Anacardium*, *Annona*, *Azadirachta*, *Bougainvillea*, *Pachira* and *Piper*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the following genus: *Broussonetia*
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

C. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
   Note: Only applies to the following genus: *Broussonetia*
   Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Arbutus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Arbutus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phellinus noxius*, *Phytophthora palmivora*, *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genus: *Magnolia*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".
OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the members of the *Arbutus*, *Arctostaphylos*, *Cinnamomum, Laurus, Magnolia, Osmanthus,* and *Pieris* genera
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

d. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Applies to the following species: *Michelia compressa*, *Michelia figo*, *Osmanthus fragrans*, **and** applies to all members of the *Cinnamomum* genus

B. For Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genus: *Magnolia*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".
OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the members of the *Arbutus, Arctostaphylos*, *Cinnamomum, Laurus, Magnolia, Osmanthus,* and *Pieris* genera
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

C. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Note: Only applies to the members of the *Arbutus, Arctostaphylos*, *Cinnamomum, Laurus, Magnolia, Osmanthus,* and *Pieris* genera
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Aronia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Gymnosporangium clavipes*, *Gymnosporangium globosum*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants, Cuttings and Tissue Cultures

OPTION 1:
PEQ: Level 2
Minimum Period: 6 months

a. Additional Declaration
"The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water, prior to export".

b. Conditions for *Gymnosporangium clavipes and Gymnosporangium globosum*
Additional Declaration: "*Gymnosporangium clavipes* and *Gymnosporangium globosum* are not known to occur on _____ [host species being imported] in _____ [the country or state in which the plants were grown]".

OPTION 2:
PEQ: Level 3B
Minimum Period: 3 months

Note: These entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Artocarpus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

Imports of *Artocarpus heterophyllus* are suspended. Phytosanitary measures need to be reviewed before *Artocarpus heterophyllus* can be imported. Click here to learn how to request a review.

Guidance:
Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phellinus noxius*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Arum

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Arum*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Virus diseases

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

B. For 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:

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For 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:

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Additional Declaration
"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for virus diseases
Additional Declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

Asparagus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Asparagus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Puccinia asparagi*, virus diseases, *Xylella fastidiosa*

Entry Conditions: **Basic**; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: The minimum quarantine period will be 6 months for tissue cultures sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Aster*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

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

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for Aster yellows phytoplasma
Additional Declaration: "Aster yellows phytoplasma is not known to occur in _____[the country or state where the plants were grown]".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for Aster yellows phytoplasma
Additional Declaration: "The cultures have been derived from parent stock tested or inspected and found free of Aster yellows phytoplasma".

Beaucarnea

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Beaucarnea*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

B. For Plants in Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Begonia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Begonia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Virus diseases

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

B. For 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:

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
   i) **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."
   OR
   ii) **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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For 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:

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Additional Declaration
"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for virus diseases
Additional declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

Berberis

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Berberis*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phytophthora ramorum*, Uredinales, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants (dormant) or Cuttings (dormant):
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (see Section 2.2.1.11)

b. Additional Declarations

i) "The plants were inspected during the previous growing season and no rust diseases were detected".
AND
ii) "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water".

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to members of the *Berberis* genus.
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

Bidens

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Bidens*" ", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Additional Declaration

"The plants have been dipped in Furalaxyl at the rate of 0.25g a.i. per litre of water."

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Bowenia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Bowenia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All except Australia and Italy

Quarantine Pests: *Demyrsus meleoides*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings (dormant), including offsets in the form of dormant buds divided from the trunk

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

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Caladium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Caladium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Caladium virus X

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

B. For 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:

OPTION 1:
No import permit is required.
PEQ: None

a. Additional Declaration
"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For 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:

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Additional Declaration
"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for Caladium virus X
   Additional Declaration: "The cultures have been derived from parent stock free of Caladium virus X."

Calanthe

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Calanthe*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Orchid fleck dichorhavirus*, *Phytophthora capsici*, *Phytophthora palmivora*, *Tetranychus kanzawai*, Uredinales

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 1 year

a. Additional Declaration
"The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water, prior to export".

b. Conditions for *Orchid fleck dichorhavirus*
Note: Only applies to the following genera: *Calanthe*, *Cattleya*, *Odontoglossum*, *Oncidium*, *Phaius*, *Schomburgkia* and *Stanhopea*.

Growing season inspection in post-entry quarantine for symptom expression.

c. Conditions for *Phytophthora capsici*
Note: Only applies to the following genus: *Vanilla*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

d. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genera: *Epidendrum* and *Vanilla*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

B. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2

Camellia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Camellia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Phellinus noxius*, *Phytophthora ramorum*, *Tetranychus kanzawai*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months
Note: All visible flower buds are to be removed prior to export.

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Camellia japonica*

c. Additional Declaration
"The plants have been dipped in prochloraz at the rate of 0.5g a.i. per litre of water".

B. For Cuttings
PEQ: Level 2
Minimum Period: 3 months
Note: All visible flower buds are to be removed prior to export.

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Additional Declaration
"The plants have been dipped in prochloraz at the rate of 0.5g a.i. per litre of water".

C. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Camellia sinensis

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Camellia sinensis*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries:				
	Afghanistan	Iran	Mongolia	Syria
	Armenia	Iraq	Myanmar	Taiwan
	Azerbaijan	Israel	Nepal	Tajikistan
	Bangladesh	Japan	North Korea	Thailand
	Bhutan	Jordan	Oman	Turkey
	Brunei	Kazakhstan	Pakistan	Turkmenistan
	Cambodia	Kuwait	Philippines	United Arab Emirates
	China	Kyrgyzstan	Saudi Arabia	Uzbekistan
	Georgia	Laos	Singapore	Vietnam
	India	Lebanon	South Korea	Yemen
	Indonesia	Malaysia	Sri Lanka	

Quarantine Pests: *Exobasidium vexans*, *Phellinus noxius*, Phloem necrosis, *Phytophthora ramorum*, *Tetranychus kanzawai*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Phellinus noxius* (section 2.2.1.13)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

Canna

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Canna*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Virus diseases, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* (see section 2.2.1.12)

B. For Dormant Bulbs from Australia and South Africa

OPTION 1:
No import permit is required
PEQ: None

a. Conditions for *Xylella fastidiosa* (see section 2.2.1.12)
Note: Only nursery stock sourced from a country recognised by MPI as free from *Xylella fastidiosa* can be imported under this option.

b. Additional Declaration

"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (see section 2.2.1.12)
Note: Only nursery stock sourced from a country recognised by MPI as free from *Xylella fastidiosa* can be imported under this option.

C. For Dormant Bulbs from Countries other than Australia and South Africa

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (see section 2.2.1.12)
Note: Only nursery stock sourced from a country recognised by MPI as free from *Xylella fastidiosa* can be imported under this option.

b. Treatment: treated for regulated insects as described in section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.

c. Additional Declaration

"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."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (see section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

D. For Tissue Cultures from All Countries

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Conditions for virus diseases

"The cultures have been derived from parent stock tested and found free of virus diseases."

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Carica*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Papaya mosaic virus*, *Papaya ringspot virus*, *Phytophthora capsici*, *Phytophthora palmivora*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

OPTION 1:
A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Additional Declaration
"*Papaya mosaic virus* and *Papaya ringspot virus* are not known to occur in _____[the country or state where the plants were grown]".

b. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".
OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2
PLUS

a. Additional Declaration
"The cultures have been derived from parent material tested and found free of *Papaya mosaic virus* and *Papaya ringspot virus*."

OPTION 2:
For Whole Plants and Tissue Cultures
PEQ: Level 3B
Minimum Period: 3 months

Carpinus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Carpinus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

For Whole Plants (dormant) or Cuttings (dormant)
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (see Section 2.2.1.11)

b. Additional Declaration
"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 is to be used:
Benomyl
Carbendazim
Thiophanate methyl

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

Carya

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Carya*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, United States of America

Quarantine Pests: *Ceratocystis fimbriata*, *Fusicladium effusum*, Pecan bunch, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
   Note: Only applies to members of the *Carya* genus

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
   Note: Only applies to members of the *Carya* genus

c. Additional Declaration

   "*Fusicladium effusum* and Pecan bunch are not known to occur in _____[the country or state where the plants were grown]".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
   Note: Only applies to members of the *Carya* genus

b. Additional Declaration

   "*Fusicladium effusum* and Pecan bunch are not known to occur in _____[the country or state where the plants were grown]".

Carya ovata

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Carya ovata*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Ceratocystis fimbriata*, *Cryphonectria parasitica*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings (dormant) and Whole Plants (dormant)

OPTION 1:
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Carya* and *Ostrya* genera

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the members of the *Liriodendron* genus
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

c. Additional Declaration

"*Cryphonectria parasitica* is not known to occur in _____[the country or state where the plants/cuttings were produced]".

OPTION 2:
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Carya* and *Ostrya* genera

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the members of the *Liriodendron* genus

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
   Note: Only applies to members of the *Liriodendron* genus
   Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Castanea

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Castanea*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Ceratocystis fagacearum*, *Conotrachelus carinife*, *Cryphonectria parasitica*, *Curculio* spp., *Dryocosmus kuriphilus*, *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants (dormant) and Cuttings (dormant)
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

c. Conditions for *Cryphonectria parasitica* and *Ceratocystis fagacearum*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Cryphonectria parasitica* and *Ceratocystis fagacearum* are not known to occur in _____[the country/state where the plants were grown]".

OR

ii) "The plants were inspected (or the wood was taken from a tree that was inspected) during the *previous* growing season and no *Cryphonectria parasitica* or *Ceratocystis fagacearum* was detected."

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
   Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Conditions for *Cryphonectria parasitica* and *Ceratocystis fagacearum*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:
   i) "*Cryphonectria parasitica* and *Ceratocystis fagacearum* are not known to occur in _____[the country/state where the plants were grown]".

   OR

   ii) "The plants were inspected (or the tissue cultures were derived from a tree that was inspected) during the previous growing season and no *Cryphonectria parasitica* or *Ceratocystis fagacearum* was detected."

Cedrus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Cedrus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Bursaphelenchus* spp., *Lophodermium* spp., *Phellinus noxius*, Uredinales

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Chamaecyparis formosensis* and *Cupressus lusitanica*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2, but subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Chrysanthemum

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Chrysanthemum*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America.

Quarantine Pests: *Potato spindle tuber viroid*, Uredinales, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for Uredinales
Additional Declaration: "Rust diseases of genus *Coleosporium* and *Cronartium* are not known to occur on _____[the host species being imported] in _____ [the country in which the plants were grown]".

b. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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
ii) "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*".
OR
iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Chrysanthemum*".

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the members of the *Argyranthemum* and *Chrysanthemum* genera
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures

As for Standard Entry Conditions for Tissue Cultures - see Section 2.2.2.

PLUS

a. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Chrysanthemum*".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Potato spindle tuber viroid* during the quarantine period.

b. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)

Note: Only applies to the members of the *Argyranthemum* and *Chrysanthemum* genera

Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Inspection, Testing and Treatment Requirements for *Chrysanthemum*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Viroids		
Potato spindle tuber viroid	PCR based methods	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Potato spindle tuber viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Chrysanthemum × morifolium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Chrysanthemum morifolium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Frankliniella occidentalis*, *Liriomyza* spp. *Potato spindle tuber viroid,* virus diseases, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
   Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Frankliniella occidentalis and Liriomyza spp."*
   Additional Declaration: "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

c. Conditions for Potato spindle tuber viroid
   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "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

   ii) "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*".

   OR

   iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Chrysanthemum morifolium*".
   PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Potato spindle tuber viroid* during the quarantine period.

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for virus diseases
   Additional Declaration: "The cultures have been derived from parent stock tested and

found free of virus or virus like diseases."

b. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

c. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Chrysanthemum morifolium*".
Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Potato spindle tuber viroid* during the quarantine period.

Inspection, Testing and Treatment Requirements for *Chrysanthemum morifolium*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Viroids		
Potato spindle tuber viroid	PCR based methods	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Potato spindle tuber viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Cichorium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Cichorium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants or Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the following genera: *Gazania* and *Santolina*.
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Note: Only applies to the following genera: *Gazania* and *Santolina*.
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Citrus

Guidance:

Citrus nursery stock (plants for planting) is no longer eligible for import under this schedule.

Import requirements for *Citrus* plants for planting are now set out in: Import Health Standard: *Citrus* Plants for Planting, available on the plant imports website at: https://www.mpi.govt.nz/import/plants-flowers-seeds-plant-growing-products/nursery-stock/requirement-documents-for-importing-nursery-stock/

Clivia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Clivia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Virus diseases, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to members of the *Agapanthus* genus.

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for virus diseases
Additional Declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

b. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
Note: Only applies to members of the *Agapanthus* genus.
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

Convallaria

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Convallaria*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Pratylenchus convallariae*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Pratylenchus convallariae*
Additional Declaration: "*Pratylenchus convallariae* is not known to occur in _____ _____[the country or state where the plants were grown]".

Corylus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Corylus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Anisogramma anomala*, *Monilinia fructigena*, *Phytophthora ramorum*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 3 months

Cotoneaster

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Cotoneaster*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Gymnosporangium* spp., *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (see section 2.2.1.11)

b. Conditions for *Xylella fastidiosa* (see section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from Xylella fastidiosa

c. Conditions for *Gymnosporangium* spp.

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Gymnosporangium* spp. are not known to occur on _____[name of plant species] in _____[the country or state where the plants were produced]".

OR

ii) "The plants were from a crop inspected during the growing season and no rust diseases were detected".

d. Additional Declaration

"The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water, prior to export".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Crataegus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Crataegus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Gymnosporangium clavipes*, *Gymnosporangium globosum*, *Phellinus noxius*, *Phytophthora capsici*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants

OPTION 1
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Gymnosporangium clavipes* and *Gymnosporangium globosum*
   i) Additional Declaration: "*Gymnosporangium clavipes* and *Gymnosporangium globosum* are not known to occur on _____[host species being imported] in _____[the country or state in which the plants were grown]".
   AND
   ii) Additional Declaration: "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water, prior to export".

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
   Note: Only applies to members of the *Crataegus* genus

c. Conditions for *Phytophthora capsici*
   Note: Only applies to members of the *Crataegus* genus

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
   OR
   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

OPTION 2
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Phellinus noxius* (section 2.2.1.13)
   Note: Only applies to members of the *Crataegus* genus

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2, but subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Crocosmia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Crocosmia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Frankliniella occidentalis*, virus diseases

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

B. For 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:

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration:
"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For 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:

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Additional Declaration:
"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.".

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for virus diseases
Additional Declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

Crocus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Crocus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Frankliniella occidentalis*, virus diseases

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

B. For 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:

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
   i) **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."
   OR
   ii) **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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For Dormant Bulbs from Countries <u>other than</u> 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:

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Additional Declaration

"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for virus diseases
Additional Declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

Cycas

Note: These entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Cycas*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All except Australia, Cayman Islands, China, Costa Rica, Guam, Guatemala, Italy, Puerto Rico, Singapore, Taiwan, Thailand, U.S. Virgin Islands, United States of America (Florida and Hawaii) and Vietnam.

Quarantine Pests: *Aulacaspis yasumatsui*, *Demyrsus meleoides*, *Phellinus noxius*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings (dormant), including offsets in the form of dormant buds divided from the trunk

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

a. Conditions for *Aulacaspis yasumatsui*
   Additional declaration: "The nursery stock has been sourced from a 'pest free area', free from *Aulacaspis yasumatsui*"

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Dahlia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Dahlia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phymatotrichopsis omnivora*, *Phytophthora capsici*, *Potato spindle tuber viroid*, *Tetranychus kanzawai*, Uredinales

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for Uredinales
Additional Declaration: "Rust diseases are not known to occur on *Dahlia* in _____ [the country in which the plants were grown]".

b. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".
OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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
ii) "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*".
OR
iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Dahlia*".

B. For 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:

OPTION 1:
No import permit is required
PEQ: None

1) For bulbs produced under an MPI-approved Dutch bulb propagation scheme

a. Additional Declaration
"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."

b. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".
OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

2) For bulbs NOT produced under an MPI-approved bulb propagation scheme:

a. Additional Declaration
"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."

b. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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:
PEQ: Level 1
Minimum Period: 3 months

a. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

b. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

C. For Dormant Bulbs from the United States of America
No import permit is required unless the bulbs require post-entry quarantine
PEQ: None or Level 2 (see below)

a. Additional Declaration
"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".

b. Conditions for *Phymatotrichopsis omnivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The dormant tubers have been sourced from a 'pest free area', free from *Phymatotrichopsis omnivora*".

OR

ii) "The dormant bulbs have been sourced from a 'pest free place of production', free from *Phymatotrichopsis omnivora*".

AND

- The consignment must be treated for fungi as described in Section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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

- Post-entry quarantine: Upon arrival in New Zealand the dormant bulbs will require a period of at least 3 months in Level 2 post-entry quarantine

c. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

d. Conditions for Potato *spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

D. For Dormant Bulbs from Countries <u>other than</u> 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:

PEQ: Level 1 or Level 2 (see below)

Minimum Period: 3 months

a. Additional Declaration

"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

b. Conditions for *Phymatotrichopsis omnivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The dormant tubers have been sourced from a 'pest free area', free from *Phymatotrichopsis omnivora*".

OR

ii) "The dormant bulbs have been sourced from a 'pest free place of production', free from *Phymatotrichopsis omnivora*".

AND

- The consignment must be treated for fungi as described in Section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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

- Post-entry quarantine: Upon arrival in New Zealand the dormant bulbs will require a period of at least 3 months in Level 2 post-entry quarantine

c. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

d. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

E. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

PLUS

a. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Dahlia*".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Potato spindle tuber viroid* during the quarantine period.

b. Conditions for virus diseases

"The cultures have been derived from parent stock tested and found free of virus diseases."

Inspection, Testing and Treatment Requirements for *Dahlia*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Viroids		
Potato spindle tuber viroid	PCR based methods	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Potato spindle tuber viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Delphinium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Delphinium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America.

Quarantine Pests: *Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, Uredinales, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Erythrina* genus

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Applies to the following species: *Barleria cristata* **and** applies to all members of the *Erythrina* genus

c. Conditions for *Phytophthora capsici*
Note: Only applies to the following genus: *Carolinianum*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

d. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genus: *Erythrina*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

e. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the members of the *Clematis*, *Convolvulus*, *Crepis*, *Erigeron*, *Euryops*, *Geranium*, *Impatiens, Phyllanthus*, *Salvia* and *Senecio* genera
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

f. Conditions for Uredinales
Additional Declaration: "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on _____[the host species being imported] in _____[the country in which the plants were grown]".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Note: Only applies to the members of the *Clematis*, *Convolvulus*, *Crepis*, *Erigeron*, *Euryops*, *Geranium*, *Impatiens, Phyllanthus*, *Salvia* and *Senecio* genera
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Dendrobium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Dendrobium*" and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved countries: All

Quarantine pests: *Orchid fleck dichorhavirus*, *Phytophthora palmivora*

Entry conditions: Basic; with variations and additional conditions as specified below:

A. Whole plants and cuttings
PEQ: Level 2
Minimum period: 3 months

a. Conditions for *Orchid fleck dichorhavirus*

   Growing season inspection in post-entry quarantine for symptom expression.

b. Conditions for *Phytophthora palmivora*
   Note: Only applies to members of the genus: *Cymbidium*

   One of the following additional declarations must be endorsed on the phytosanitary certificate:
   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*."
   OR
   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*."
   OR
   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*."

B. For tissue cultures
As for **Standard Entry Conditions for Tissue Cultures** - see section 2.2.2

Dianthus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Dianthus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Frankliniella occidentalis*, *Liriomyza* spp., *Phytophthora capsici*, *Phytophthora palmivora*, Uredinales

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Frankliniella occidentalis* and *Liriomyza* spp.

   Additional Declaration: "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

b. Conditions for Uredinales
   Additional Declaration: "The plants were inspected during the growing season and no rust diseases were found".

c. Conditions for *Phytophthora capsici*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".
   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

d. Conditions for *Phytophthora palmivora*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".
   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".
   OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

B. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Dianthus caryophyllus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Dianthus caryophyllus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Frankliniella occidentalis*, *Liriomyza* spp., *Phytophthora capsici*, *Phytophthora palmivora*

Entry Conditions: Basic; with variations and additional conditions as specified below.

A. For Whole Plants
OPTION 1:
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Frankliniella occidentalis* and *Liriomyza* spp.

   Additional Declaration: "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

b. Conditions for *Phytophthora capsici*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Phytophthora palmivora*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

OPTION 2: (For Netherlands only)
PEQ: Level 2
Minimum Period: 4 weeks

a. Additional Declarations
   i) "The imported plants meet the requirements of the NAKtuinbouw Elite (Class SEE or EE) [choose one] certification scheme."

   AND

   ii) "The plants have been held at 1.5°C ± 0.5°C for 2 days, then fumigated with methyl bromide at 14g/m^3 for 4 hours at 15°C and packed so that re-infestation with insects cannot occur."

b. Conditions for *Phytophthora capsici*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Phytophthora palmivora*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Diascia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Potato spindle tuber viroid*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants and Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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
ii) "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*".
OR
iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Diascia*".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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
ii) "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*".
OR
iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Diascia*".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Potato spindle tuber viroid* during the quarantine period.

Inspection, Testing and Treatment Requirements for *Diascia*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Viroids		
Potato spindle tuber viroid	PCR based methods	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Potato spindle tuber viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Dioscorea

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Dioscorea*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phymatotrichopsis omnivora*, Virus diseases

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

B. For 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:

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For Dormant Bulbs from the United States of America
No import permit is required unless the bulbs require post-entry quarantine.
PEQ: None or Level 2 (see below)

a. Additional Declarations
i) "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".

AND

ii) "The dormant bulbs have been sourced from a 'pest free area', free from *Phymatotrichopsis omnivora*".

OR

1. "The dormant bulbs have been sourced from a 'pest free place of production', free from *Phymatotrichopsis omnivora*".
   AND
2. The consignment must be treated for fungi as described in Section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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
3. Post-entry quarantine: Upon arrival in New Zealand the dormant bulbs will require a period of at least 3 months in Level 2 post-entry quarantine.

D. For Dormant Bulbs from Countries <u>other than</u> 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

PEQ: Level 1 or Level 2 (see below)

Minimum Period: 3 months

a. Additional Declarations

i) "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 section 2.2.1.7 'Pesticide treatments for dormant bulbs' in the basic conditions within 7 days prior to freezing, cold-storage or shipment."

ii) "The dormant tubers have been sourced from a 'pest free area', free from *Phymatotrichopsis omnivora*".

OR

1. "The dormant bulbs have been sourced from a 'pest free place of production', free from *Phymatotrichopsis omnivora*".
   AND
2. The consignment must be treated for fungi as described in Section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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
3. Post-entry quarantine: Upon arrival in New Zealand the dormant bulbs will require a period of at least 3 months in Level 2 post-entry quarantine.

E. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditons for virus diseases
   Additional Declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

Diospyros

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Diospyros*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Cephalosporium diospyri*, *Phellinus noxius*, *Phytophthora capsici*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Phellinus noxius* (section 2.2.1.13)

c. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

Dracaena

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Dracaena*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Chrysomphalus aonidum*, *Pantoea ananatis*, *Phytophthora palmivora*, *Xyleborus* spp. (except *Xyleborus compressus*, *Xyleborus saxeseni*, *Xyleborus truncatus*)

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Additional Declarations
"The *Dracaena* cuttings/plants [choose one] in this consignment have been:
i) sourced from a 'pest free area' or 'pest free place of production' [choose one], free from *Xyleborus* spp. (except *Xyleborus compressus*, *Xyleborus truncatus* and *Xyleborus saxeseni*).
AND
ii) sourced from a 'pest free area' or 'pest free place of production' [choose one], free from *Chrysomphalus aonidum*
OR
- inspected in accordance with appropriate official procedures and found to be free of *Chrysomphalus aonidum*."

b. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".
OR
ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".
OR
iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

Treatment for dormant cuttings:
Dormant cuttings must be treated for regulated insects and mites as described in section 2.2.1.6 (part B) of the Basic Conditions.

Treatment for non-dormant cuttings and whole plants:
All *Dracaena* non-dormant cuttings and whole plants must be treated for regulated insects and mites as described in section 2.2.1.6 (part B) of the Basic Conditions. Additionally, they must be treated on arrival as per MPI Standard *Approved Biosecurity Treatments* (MPI-ABTRT) ("Treatments for Dracaena whole plants and non-dormant cuttings").

Inspection Requirements: A minimum of 600 plants are to be inspected during each growing season inspection in post-entry quarantine.

Measures for *Pantoea ananatis*:
The following measures will apply to **all** *Dracaena* species on entry into New Zealand or while in post entry quarantine.

- If plants exhibit any symptoms that may be indicative of infection with *Pantoea ananatis,* samples will be collected and submitted for diagnostic testing.
- If any plants are identified as being infected with *Pantoea ananatis*, the whole consignment must be either reshipped or destroyed, at the expense of the importer.

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Epipremnum

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Epipremnum*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

Imports of *Durio zibethinus* are suspended. Phytosanitary measures need to be reviewed before *Durio zibethinus* can be imported. Click here to learn how to request a review.

Guidance:
Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phytophthora capsici*, *Phytophthora palmivora*, *Ralstonia pseudosolanacearum, Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

B. For Whole Plants or Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora capsici*
Note: Only applies to the following genera: *Epipremnum*, *Macadamia* and *Philodendron*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

b. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

iv) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

v) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

vi) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

c. Conditions for *Ralstonia pseudosolanacearum*
Note: Only applies to members of the following genus: *Epipremnum*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".

d. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to members of the *Clianthus* and *Macadamia* genera.
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

C. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

e. Conditions for *Ralstonia pseudosolanacearum*
Note: Only applies to members of the following genus: *Epipremnum*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*".

f. Conditions for *Xylella fastidiosa* (section 2.2.5)
Note: Only applies to members of the *Clianthus* and *Macadamia* genera.
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

C. For Whole Plants and Cuttings imported into a level 3A PEQ facility

Note: Only applies to members of the following genus: *Epipremnum*
Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum*.

PEQ: Level 3A
Minimum Period: 3 months

a. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

v) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

vi) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

vii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

b. Conditions for *Ralstonia pseduosolanacearum*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Epipremnum*".

D. For Tissue cultures imported into a level 3A PEQ facility
Note: Only applies to members of the following genus: *Epipremnum*
Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum.*

As per section 2.2.2.4, an import permit is required
PEQ: Level 3A
Minimum Period: 3 months

a. Conditions for *Ralstonia pseduosolanacearum*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Epipremnum*".

Inspection, Testing and Treatment Requirements for *Epipremnum*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Bacteria		
Ralstonia pseudosolanacearum	Growing season inspection in PEQ for symptom expression **AND** plating on selective media **OR** PCR	Applies to *Epipremnum* whole plants, cuttings, and tissue culture imported into a level 3A PEQ facility

Eriobotrya

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Eriobotrya*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Ceratocystis fimbriata*, *Phellinus noxius*, *Pseudomonas syringae* pv. *eriobotryae*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Eriobotrya japonica*

c. Conditions for *Pseudomonas syringae* pv. *eriobotryae*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Pseudomonas syringae* pv. *eriobotryae* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The plants were from a nursery that has been inspected for the presence of *Pseudomonas syringae* pv. *eriobotryae* and none has been detected".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Eucalyptus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Eucalyptus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Ceratocystis fimbriata*, *Chrysoporthe cubensis*, *Endothia havanensis*, *Mycosphaerella parva*, *Phellinus noxius*, *Phytophthora ramorum*, *Puccinia psidii* sensu lato (s.l.) complex (including *Uredo rangelii*), *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)
c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
d. Conditions for *Phellinus noxius* (section 2.2.1.13)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** – see Section 2.2.2.
PLUS

- Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
  Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognized by MPI as free from *Xylella fastidiosa*.
  Guidance for importers: Tissue cultures which are imported under Option 2 of the conditions for *Puccinia psidii* s.l. complex, AND require PEQ under section 2.2.2.5, must complete the PEQ requirements for *Puccinia psidii* before being deflasked into the PEQ greenhouse.

- Conditions for *Puccinia psidii* s.l. complex

  OPTION 1:
  i) Additional Declaration
     - "*Puccinia psidii* s.l. complex (including *Uredo rangelii*) is not known to occur in_____[the country of origin]".
       OR

- "The tissue cultures in this consignment have been actively growing in the culture container for at least four weeks at temperatures between 15-23°C (59-73.4°F)".

ii) The tissue cultures are subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

OPTION 2:
As per section 2.2.2.4, an import permit is required
PEQ: Level 2 Tissue culture laboratory
Minimum Period: 4 weeks

i) The cultures containers are not to be opened during the quarantine period.

Eugenia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Eugenia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

Quarantine Pests: *Phellinus noxius*, *Phytophthora palmivora*, *Puccinia psidii* sensu lato (s.l.) complex (including *Uredo rangelii*), *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants

OPTION 1:
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* (see section 2.2.1.12)

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Syzygium samarangense*

c. Conditions for *Phytophthora palmivora*
Note: Only applies to the members of the following genus: *Syzygium*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".
OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".
OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

d. Conditions for *Puccinia psidii* s.l. complex
Additional Declaration: "*Puccinia psidii* s.l. complex (including *Uredo rangelii*) is not known to occur in_____[the country of origin]".

OPTION 2:
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* (see section 2.2.1.12)

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Syzygium samarangense*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.
Guidance for importers: Tissue cultures which are imported under Option 2 of the conditions for *Puccinia psidii* s.l. complex, AND require PEQ under section 2.2.2.5, must complete the PEQ requirements for *Puccinia psidii* before being deflasked into the PEQ greenhouse.

b. Conditions for *Puccinia psidii* s.l. complex

OPTION 1:
i) Additional Declaration
- "*Puccinia psidii* s.l. complex (including *Uredo rangelii*) is not known to occur in _____[the country of origin]".
OR
- "The tissue cultures in this consignment have been actively growing in the culture container for at least four weeks at temperatures between 15-23°C (59-73.4°F)".

OPTION 2:
As per section 2.2.2.4, an import permit is required
PEQ: Level 2 Tissue culture laboratory
Minimum Period: 4 weeks
i) The cultures containers are not to be opened during the quarantine period.

Eupatorium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Eupatorium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom.

Quarantine Pests: Uredinales, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Conditions for Uredinales

Additional Declaration: "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on _____[the host species being imported] in _____[the country in which the plants were grown]".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Eutrema

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Eutrema*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Japan

Quarantine Pests: *Ascochyta brassicae*, *Athalia* spp., *Eurydema* spp., *Peronospora alliariae*, *Septoria wasabiae*

Entry Conditions: **Basic**; with variations and additional conditions as specified below:

A. For Whole Plants and Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Additional Declaration

"Plants have been dipped in captan at the rate of 1.25g a.i. per litre of water within 1 week of export".

b. Special Condition

On arrival in New Zealand the plants are to 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.

B. For Tissue cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Fagus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Fagus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Ceratocystis fimbriata*, *Cronartium quercuum*, *Phytophthora ramorum*, Tortricidae, *Xylella fastidiosa*

Entry Conditions: Basic: with variations and additional conditions as specified below:

A. For Cuttings (dormant) and Whole Plants (dormant)

OPTION 1:
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Fagus* genus

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to the members of the *Fagus* genus

d. Additional Declaration

"The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water."

OPTION 2:
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Fagus* genus

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to members of the *Fagus* genus

B. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
   Note: Only applies to the members of the *Fagus* genus
   Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Fagus sylvatica

Note: These entry conditions only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Fagus sylvatica*", and are additional to those specified in sections 1,2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Ceratocystis fimbriata*, *Cronartium quercuum*, *Cryphonectria parasitica*, *Phytophthora ramorum*, Tortricidae, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants (dormant) and Cuttings (dormant)

OPTION 1:
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Fagus* genus

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

d. Conditions for *Cryphonectria parasitica*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Cryphonectria parasitica* is not known to occur in _____[the country or state where the plants/cuttings were grown]".

OR, *for cuttings only*:

ii) "The tree(s), from which this material was taken, was inspected during the previous growing season and no *Cryphonectria parasitica* was detected".

OR, *for young plants:*

iii) "The plants were inspected during the previous growing season and no *Cryphonectria parasitica* was detected".

e. Additional Declaration

"The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water."

OPTION 2:
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Fagus* genus

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Ficus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Ficus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, *Ralstonia pseudosolanacearum*, *Uredo ficina*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months
Note: Nursery stock of *Ficus microcarpa* must be free of flowers and fruit.

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
   Note: Only applies to the following species: *Ficus carica*

b. Conditions for *Phellinus noxius* (section 2.2.1.13)

c. Conditions for *Phytophthora capsici*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".
   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

d. Conditions for *Phytophthora palmivora*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".
   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".
   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

e. Conditions for *Ralstonia pseudosolanacearum*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: 'The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*'.

f. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

g. Conditions for *Uredo ficina*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Uredo ficina* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The *Ficus* spp. has been sourced from a 'pest free place of production', free from *Uredo ficina*"

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Ralstonia pseudosolanacearum*
One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".
Note: For phytosanitary certificates from Costa Rica, the following additional declaration can be accepted: 'The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested by PCR and found free from *Ralstonia pseudosolanacearum*'.

b. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

c. Conditions for *Uredo ficina*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Uredo ficina* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The *Ficus* spp. has been sourced from a 'pest free place of production', free from *Uredo ficina*".

C. For Whole Plants and Cuttings imported into a level 3A PEQ facility

Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum.*

PEQ: Level 3A
Minimum Period: 3 months
Note: Nursery stock of *Ficus microcarpa* must be free of flowers and fruit.

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to the following species: *Ficus carica*

b. Conditions for *Phellinus noxius* (section 2.2.1.13)

c. Conditions for *Phytophthora capsici*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

d. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

e. Conditions for *Ralstonia pseudosolanacearum*

Growing season inspection in PEQ for symptom expression AND plating on selective media OR PCR using DNA from the plant stem

f. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

g. Conditions for *Uredo ficina*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Uredo ficina* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The *Ficus* spp. has been sourced from a 'pest free place of production', free from *Uredo ficina*"

D. For Tissue Cultures imported into a level 3A PEQ facility

Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum.*

As per section 2.2.2.4, an import permit is required
PEQ: Level 3A
Minimum Period: 3 months

a. Conditions for *Ralstonia pseudosolanacearum*

b. Growing season inspection in PEQ for symptom expression AND plating on selective media OR PCR using DNA from the plant stem

c. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

d. Conditions for *Uredo ficina*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Uredo ficina* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The *Ficus* spp. has been sourced from a 'pest free place of production', free from *Uredo ficina*".

Fortunella

Guidance:

Fortunella nursery stock (plants for planting) is no longer eligible for import under this schedule.

Import requirements for *Fortunella* plants for planting are now set out in: Import Health Standard: *Citrus* Plants for Planting, available on the plant imports website at: https://www.mpi.govt.nz/import/plants-flowers-seeds-plant-growing-products/nursery-stock/requirement-documents-for-importing-nursery-stock/

Fragaria

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Fragaria*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Fragaria* nursery stock approved for entry into New Zealand

Cuttings (runner tips and stem cuttings only); Plants in tissue culture

Fragaria can be imported into Level 2 post entry quarantine from MPI-approved facilities, or into Level 3B post entry quarantine from non-approved facilities.

2. Pests of *Fragaria*

Refer to the pest list.

3. Entry conditions for:

3.1 *Fragaria* cuttings and tissue culture from offshore MPI-approved facilities in any country

An offshore approved facility is a facility that has been approved to the Administrative Standard: Standard for Offshore Facilities Holding and Testing Plants for Planting to undertake phytosanitary activities. For *Fragaria*, the approved facility operator must also have an agreement with MPI on the phytosanitary measures to be undertaken for *Fragaria*.

(i) <u>*Documentation*</u>

Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Fragaria* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) <u>*Phytosanitary requirements*</u>

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

The *Fragaria* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  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 facility].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.

(iii) *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 *Fragaria* cuttings / plants in tissue culture [choose ONE option] 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 facility].
  AND
- held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

(iv) *Post-entry quarantine*
PEQ: All *Fragaria* nursery stock must be imported under permit into post-entry quarantine in a Level 2 greenhouse facility approved to the Facility Standard PEQ.STD: Post Entry Quarantine for Plants.
Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 6 months in post-entry quarantine and will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer. These periods are indicative minimum quarantine periods and may be extended if material is slow growing, pests are detected, or treatments/tests are required.

3.2 *Fragaria* cuttings and tissue culture from non-approved facilities in any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Fragaria* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is to be issued, the exporting country NPPO must be satisfied that the following activities required by MPI have been undertaken.

The *Fragaria* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *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.

(iv) *Post-entry quarantine*

PEQ: All *Fragaria* nursery stock must be imported under permit into post-entry quarantine in a Level 3B greenhouse facility approved to the Facility Standard PEQ.STD: Post Entry Quarantine for Plants.

Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 16 months in post-entry quarantine and will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer. Sixteen months is an indicative minimum quarantine period and this period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *Fragaria*

REGULATED PESTS (actionable)

Insect	
Insecta	
Coleoptera	
Attelabidae	
Rhynchites germanicus	strawberry rhynchites
Bruchidae	
Zabrotes arenarius	strawberry weevil
Cantharidae	
Chauliognathus lugubris	soldier beetle
Carabidae	
Calathus fuscipes	ground beetle
Harpalus affinis	strawberry seed beetle
Harpalus rufipes	strawberry seed beetle
Nebria brevicollis	common black ground beetle
Pterostichus cupreus	strawberry ground beetle
Pterostichus madidus	strawberry ground beetle
Pterostichus melanarius	strawberry ground beetle
Chrysomelidae	
Altica caerulescens	leaf beetle
Chaetocnema concinna	leaf feeding beetle
Colaspis flavida	grape colaspis
Galeruca tanaceti	strawberry leaf beetle
Galerucella grisescens	strawberry leaf beetle
Galerucella tenella	strawberry leaf beetle
Haltica corrusca	fles beetle
Haltica pagana	flea beetle
Paria fragariae	strawberry rootworm
Systena frontalis	flea beetle
Curculionidae	
Anthonomus rubi	strawberry blossom weevil
Anthonomus signatus	strawberry bud weevil
Apirocalus spp.	weevils
Barypeithes pellucidus	strawberry weevil
Cleonus kirbyi	radish weevil
Conotrachelus nenuphar	plum weevil
Donus salviae	strawberry weevil
Dyslobus decoratus	decorated strawberry root weevil
Dyslobus ursinus	western strawberry root weevil
Dyslobus wilcoxi	Lacomb strawberry root weevil
Geoderces spp.	root weevil
Haplidia etrusca	root weevil
Hypera brunneipennis	Egyptian alfalfa weevil
Myllocerus undecimpustulatus	grey weevil
Nemocestes fragariae	strawberry root weevil
Nemocestes incomptus	woods weevil
Nemocestes longulus	strawberry root weevil
Nemocestes sordidus	strawberry root weevil
Orthorhinus aethops	weevil
Otiorhynchus armatus	strawberry root weevil
Otiorhynchus clavipes	red-legged weevil
Otiorhynchus cribricollis	cribrate weevil
Otiorhynchus meridionalis	strawberry root weevil
Otiorhynchus rotundatus	strawberry root weevil
Otiorhynchus rugifrons	strawberry root weevil
Otiorhynchus singularis	strawberry root weevil

Panscopus torpidus	root weevil
Peritelopsis globiventris	grey weevil
Plinthodes taeniatus	root weevil
Polydrusus cervinus	weevil
Polydrusus sericeus	green leaf weevil
Rhadinosomus lacordairei	thin strawberry weevil
Rhinaria perdix	strawberry weevil
Rhynchites germanicus	strawberry rhynchites
Sciaphilus asperatus	strawberry root weevil
Sciopithes obscurus	obscure root weevil
Sitona hispidulus	root weevil
Strophomorphus porcellus	weevil
Thricolepis inornata	root weevil
Trigonoscuta pilosa	root weevil
Tyloderma fragariae	strawberry crown borer
Elateridae	
Agriotes spp. (species not in New Zealand)	click beetles
Nitidulidae	
Carpophilus fumatus	sap beetle
Glischrochilus hortensis	sap beetle
Lobiopa insularis	strawberry borer
Stelidota spp.	sap beetles
Stelidota geminata	strawberry sap beetle
Scarabaeidae	
Anoplognathus porosus	Christmas beetle
Cetonia spp.	chafers
Cyclocephala borealis	northern masked chafer
Hoplia spp.	white grubs
Lepidiota frenchi	French's cane grub
Melolontha melolontha	cockchafer
Metanastes vulgivagus	black beetle
Phyllopertha horticola	garden chafer
Phyllophaga decimlineata	ten-lined June beetle
Phyllophaga perversa	western ten-lined June beetle
Popillia japonica	Japanese beetle
Repsimus aeneus	white grub
Rhopaea magnicornis	large pasture scarab
Serica spp.	white grubs
Sericesthis geminata	priunose scarab
Sericesthis nigrolineata	dusky pasture scarab
Scolytidae	
Poecilips cardamomi	bark beetle
Silphidae	
Heterosilpha aenescens	carrion beetle
Collembola	
Sminthuridae	
Bourletiella arvalis dorsobscura	garden springtail
Sminthurus multidentatus	garden springtail
Diptera	
Agromyzidae	
Agromyza fragariae	strawberry leafminer
Agromyza spiraeae	rose leafminer
Tipulidae	
Tipula spp	leatherjackets
Hemiptera	
Anthocoridae	
Orius laevigatus	plant bug
Lygaeidae	
Euander lacertosus	lygaeid bug
Nysius clevelandensis	grey cluster bug

Nysius spp.	bugs
Nysius vinitor	Rutherglen bug
Miridae	
Calocoris hobartensis	capsid
Lygocoris pabulinus	common green capsid
Lygus elisus	pale legume bug
Lygus hesperus	tarnished plant bug
Lygus lineolaris	tarnished plant bug
Lygus rugulipennis	tarnished plant bug
Plagiognathus arbustorum	stink bug
Plagiognathus chrysanthemi	stink bug
Scolopostethus spp.	plant bugs
Pentatomidae	
Acrosternum hilare	green stink bug
Dolycoris baccarum	stink bug
Pyrrhocoridae	
Dindymus versicolor	harlequin bug
Homoptera	
Aleyrodidae	
Aleyrodes lonicerae	strawberry whitefly
Trialeurodes fernaldi	whitefly
Trialeurodes packardi	strawberry whitefly
Trialeurodes ruborum	whitefly
Aphididae	
Acyrthosiphon malvae rogersii	strawberry aphid
Amphorophora agathonica	strawberry aphid
Aphis fabae	bean aphid
Aphis forbesi	strawberry root aphid
Aphis gossypii [vector]	cotton aphid
Aphis rubifolii	raspberry aphid
Aulacorthum solani [vector]	foxglove aphid
Chaetosiphon jacobi	strawberry aphid
Chaetosiphon minus	lesser strawberry aphid
Chaetosiphon tetrarhodum [vector]	strawberry aphid
Chaetosiphon thomasi	strawberry aphid
Fimbriaphis fimbriata	rose aphid
Fimbriaphis wakibae	rose aphid
Macrosiphum pelargonii	rose aphid
Macrosiphum rosae [vector]	rose aphid
Myzaphis rosarum [vector]	lesser rose aphid
Myzus ascalonicus [vector]	shallot aphid
Myzus ornatus [vector]	ornate aphid
Myzus persicae [vector]	green peach aphid
Rhodobium porosum	aphid
Aphrophoridae	
Aphrophora alni	spittlebug
Aphrophora permutata	rhubarb spittlebug
Cercopidae	
Cercopis vulnerata	red and black froghopper
Emelyanoviana mollicula	spittlebug
Evacanthus interruptus	spittlebug
Philaenus leucophthalmus	spittlebug
Cicadellidae	
Aphrodes bicinctus	strawberry leafhopper
Apogonalia grossa	leafhopper
Coelidia olitoria	leafhopper
Edwardsiana spp.	leafhoppers
Empoasca fabae	potato leafhopper
Erythroneura elegantula	western grape leafhopper
Euscelis spp.	leafhoppers

Macrosteles spp.	leafhoppers
Scaphytopius acutus	leafhopper
Zygina schneideri	leafhopper
Pseudococcidae	
Chorizococcus arecae	mealybug
Dysmicoccus brevipes	pineapple mealybug
Planococcus citri	citrus mealybug
Rhizoecus kondonis	Kondo mealybug
Hymenoptera	
Tenthredinidae	
Allantus calceatus	sawfly
Allantus cinctus	curled rose sawfly
Cladius pectinicornis	antler sawfly
Lepidoptera	
Gelechiidae	
Aristotelia fragariae	strawberry crown miner
Compsolechia fragariella	western strawberry leafroller
Geometridae	
Ascotis selenaria	mugwort looper
Hepialidae	
Hepialus lupulinus	swift moth
Noctuidae	
Agrotis spp. (species not in New Zealand)	cutworms
Agrotis munda	brown cutworm
Agrotis segetum	turnip moth
Amphipoea interoceanica	strawberry cutworm
Helicoverpa punctigera	oriental tobacco budworm
Helicoverpa zea	bollworm
Hydraecia interoceanica	noctuid moth
Noctua pronuba	large yellow underwing
Orthosia hibisci	speckled green fruitworm
Peridroma saucia	pearly underwing moth
Phlogophora meticulosa	angleshades moth
Spodoptera exigua	lesser armyworm
Spodoptera sunia	cluster caterpillar
Xestia c-nigrum	spotted cutworm
Psychidae	
Hyalarcta huebneri	leaf case moth
Pyralidae	
Loxostege spp.	pyralid moths
Udea rubigalis	celery leaftier
Sesiidae	
Synanthedon bibionipennis	strawberry crown moth
Tortricidae	
Acleris comariana	strawberry tortrix moth
Ancylis comptana	strawberry leafroller
Ancylis fragariae	strawberry leafroller
Argyrotaenia citrana	orange tortrix
Cacoecimorpha pronubana	carnation leafroller
Choristoneura lafauryana	strawberry leafroller
Choristoneura rosaceana	oblique-banded leafroller
Claremontia confusa	leafroller
Clepsis busckana	cyclamen leafroller
Clepsis spectrana	straw coloured tortrix
Cnephasia asseclana	leafroller
Cnephasia longana	omnivorous leaftier
Cnephasia stephensiana	leaftier
Compsolechia fragariella	western strawberry leafroller
Cryptoptila immersana	ivy leafroller
Epiphyas spp.	leafrollers

Lozotaenia forsterana	leafroller
Olethreutes lacunana	fruit tree tortrix
Olethreutes olivaceana	fruit tree tortrix
Pandemis dumetana	fruit tree tortrix
Platynota stultana	omnivorous leafroller
Ptycholoma peritana	garden tortrix
Sparganothis sulfureana	blueberry leafroller
Orthoptera	
Acrididae	
Phaulacridium vittatum	wingless grasshopper
Gryllotalpidae	
Gryllotalpa africana	African mole cricket
Gryllotalpa gryllotalpa	mole cricket
Scapteriscus acletus	southern mole cricket
Scapteriscus vicinus	tawny mole cricket
Pyrgomorphidae	
Atractomorpha crenaticeps	grasshopper
Thysanoptera	
Thripidae	
Scirtothrips dorsalis	chilli thrips
Scolothrips sexmaculatus	
Thrips atratus	carnation thrips
Thrips major	rose thrips
Mites	
Arachnida	
Acarina	
Diptilomiopidae	
Diptacus fragarifoliae	false spider mite
Tetranychidae	
Tetranychus kanzawai	kanzawaii mite
Tetranychus lobustus	strawberry spider mite
Tetranychus 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	
Byssochlamys fulva	byssochlamys rot
Hypocreales	
Hypocreaceae	
Schizoparme straminea (anamorph *Coniella castaneicola*)	schizoparme fruit rot
Leotiales	
Leotiaceae	
Discohainesia oenotherae (anamorph *Hainesia lythri*)	leaf spot
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria bulbosa	armillaria root rot
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Armillaria tabescens	armillaria root rot
Ceratobasidiales	
Ceratobasidiaceae	
Ceratobasidium anceps (anamorph *Sclerotium deciduum*)	leaf rot
Rhizoctonia fragariae	black root rot
Chytridiomycota	
Chytridiales	
Olpidiaceae	
Olpidium brassicae [vector]	Black root
Basidiomycota: Teliomycetes	
Uredinales	
Pucciniaceae	

Phragmidium mexicana	
Phragmidium potentiallae	leaf rust
Chytridiomycota	
Chytridiales	
Synchytriaceae	
Synchytrium fragariae	root gall
Mitosporic Fungi (Agonomycetes)	
Agonomycetales	
Unknown Agonomycetales	
Rhizoctonia fragariae	fruit and root rot
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Leptostromataceae	
Kabatia fragariae	leaf spot
Sphaerioidaceae	
Coniella fragariae	flower spot
Phyllosticta fragaricola	phyllosticta leaf spot
Rhabdospora fragariae	leaf spot
Septoria fragariae	septoria spot
Septoria fragariaecola	septoria spot
Stagonospora fragariae	stagonospora
Unknown Coelomycetes	
Unknown Coelomycetes	
Colletotrichum spp. (species not in New Zealand)	
Glomerella cingulata (anamorph Colletotrichum gloeosporioides)	strawberry anthracnose
Marssonina canadensis	leaf scorch
Marssonina pakistanica	leaf scorch
Marssonina potentillae	leaf scorch
Pestalotia longisetula	leaf spot
Pilidiella quercola	schizoparme fruit rot
Mitosporic Fungi (Hyphomycetes)	
Hyphomycetales	
Dematiaceae	
Cercospora fragariae	leaf spot
Cercospora vexans	cercospora leaf spot
Idriella lunata	root rot
Moniliaceae	
Ramularia fragariae	ramularia leaf spot
Verticillium albo-atrum [severe strain]	progressive wilt
Tuberculariales	
Tuberculariaceae	
Fusarium oxysporum f. sp. *fragariae*	stub wilt
Oomycota	
Peronosporales	
Peronosporaceae	
Peronospora fragariae	downy mildew
Phytophthora capsici	fruit rot of peppers
Pythiales	
Pythiaceae	
Pythium debaryanum	root rot
Pythium dissotocum	root rot
Pythium hypogynum	root rot
Pythium perniciosum	root and stem rot
Pythium sylvaticum	root rot
Zygomycota: Zygomycetes	
Mucorales	
Mucoraceae	
Mucor recurvus	mucor rot
Rhizopus spp.	

Bacteria

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-

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

Viruses

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-

-

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

Phytoplasmas

-

-

-

Aster yellows phytoplasma	-
Clover phyllody phytoplasma	-
Clover proliferation phytoplasma	-
Clover yellow edge phytoplasma	-
Stolbur phytoplasma	-
STRAWB1 phytoplasma	-
STRAWB2 phytoplasma	
Strawberry green petal phytoplasma	-
Strawberry leafy fruit phytoplasma	
Strawberry multicipita phytoplasma	
Strawberry multiplier phytoplasma	-
Strawberry phylloid fruit phytoplasma	
Strawberry yellows phytoplasma	

Diseases of unknown aetiology

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-

-

Strawberry lethal decline disease

Inspection, Testing and Treatment Requirements for *Fragaria*

ORGANISM TYPES	MPI-ACCEPTED METHODS
Mites	Visual inspection **AND** approved miticide treatments as described in section 2.2.1.6 of the basic conditions of the Import Health Standard Nursery Stock from All countries. [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. 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. Growing season inspection in PEQ for symptom expression
Bacteria (and diseases caused by bacteria-like organisms)	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post entry quarantine facility.
Erwinia pyrifoliae	Growing season inspection for symptom expression **AND** PCR
Ralstonia solanacearum (Race 2)	Growing season inspection for symptom expression.
Strawberry marginal chlorosis (*'Candidatus* phlomobacter fragariae')	Growing season inspection for symptom expression **AND** PCR
Strawberry rickettsia yellows	Growing season inspection for symptom expression
Xanthomonas arboricola pv. fragariae	Growing season inspection for symptom expression **AND** PCR
Xanthomonas fragariae	Growing season inspection for symptom expression **AND** PCR
Xylella fastidiosa	Growing season inspection in PEQ for disease symptom expression **AND** PCR
Viruses	
Fragaria chiloensis latent virus [strains not in New Zealand]	PCR
Raspberry ringspot virus [strains not in New Zealand]	ELISA **or** PCR
Strawberry chlorotic fleck virus	PCR
Strawberry latent ringspot virus [strains not in New Zealand]	ELISA **or** PCR
Strawberry mild yellow edge-associated virus	PCR
Strawberry pallidosis associated virus	PCR
Strawberry pseudo mild yellow edge virus	PCR
Strawberry vein banding virus	PCR
Tobacco necrosis virus [strains not in New Zealand]	ELISA **or** PCR
Tobacco streak virus [strains not in New Zealand]	PCR
Tomato bushy stunt virus	PCR
Tomato ringspot virus	ELISA **or** PCR
Phytoplasmas	Growing season inspection **AND** nested PCR **or** real time PCR
Diseases of unknown aetiology	
Strawberry lethal decline disease	Growing season inspection for symptom expression

Notes:

1. The unit for testing is defined in section 2.3.2.1.

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. Positive internal control primers and a negative plant control should also be used in PCR 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.
9. Other internationally recognised testing methods may be accepted by MPI with prior notification.

Freesia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Freesia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Virus diseases

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

B. For 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:

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
   i) **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."
   OR
   ii) **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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For Dormant Bulbs from Countries <u>other than</u> 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:

OPTION 1:
PEQ: Level 1

Minimum Period: 3 months

a. Additional Declaration
"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for virus diseases
Additional Declaration**:** "The cultures have been derived from parent stock tested and found free of virus diseases."

Fuchsia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Fuchsia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Aculops fuchsiae* (Fuchsia Gall Mite), *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants or Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

c. Conditions for *Aculops fuchsiae*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Aculops fuchsiae* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The plants have been dipped in Carbaryl at the rate of 0.5g a.i. per litre of water".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Gaultheria

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Gaultheria*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Chrysomyxa ledi*, *Microsphaera* spp, *Phytophthora ramorum*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Chrysomyxa ledi* and *Microsphaera* spp.

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Chrysomyxa ledi* and *Microsphaera* spp. are not known to occur in _____[the country or state of where the plants were grown]".

OR

ii) "The plants were inspected during the growing season and no *Chrysomyxa ledi* or *Microsphaera* spp. was detected".

b. Additional Declaration
"The plants have been dipped prior to export in propiconazole at the rate of 0.5g a.i. per litre of water."

c. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Gentiana

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Gentiana*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Japan

Quarantine Pests: *Cronartium flaccidum*, *Tetranychus kanzawai*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Additional Declaration
"The plants have been dipped in oxycarboxin at 1.5g a.i. per litre of water, prior to export".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Gerbera

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Gerbera*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Frankliniella occidentalis*, *Liriomyza* spp., *Phytophthora capsici*, *Phytophthora palmivora*.

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Frankliniella occidentalis* and *Liriomyza* spp.

   Additional Declaration: "The plants have been inspected in accordance with appropriate official procedures and found to be free of *Frankliniella occidentalis* and *Liriomyza* spp."

b. Conditions for *Phytophthora capsici*
   Note: Only applies to the following genus: *Gypsophila*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Phytophthora palmivora*
   Note: Only applies to the following genus: *Gerbera*

   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

   OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

B. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Gladiolus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Gladiolus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Puccinia gladioli*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Puccinia gladioli*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Puccinia gladioli* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The plants were inspected during the growing season and *Puccinia gladioli* was not detected".

B. For Dormant Bulbs (Corms) 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

OPTION 1:
No import permit is required
PEQ: None
Cleanliness: Bulbs (corms) must be free of leafy coverings.

a. Additional Declaration

i) **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."

OR

ii) **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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months
Cleanliness: Bulbs (corms) must be free of leafy coverings.

C. For Dormant Bulbs from Countries <u>other than</u> 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:

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months
Cleanliness: Bulbs (corms) must be free of leafy coverings.

a. Additional Declaration
"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months
Cleanliness: Bulbs (corms) must be free of leafy coverings.

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Glycyrrhiza

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under G*lycyrrhiza*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Uromyces* spp.

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants

PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Uromyces* spp.

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Uromyces* spp. are not known to occur on *Glycyrrhiza* in _____[the country or state where the plants were grown]".

OR

ii) "The plants were inspected during the growing season and no *Uromyces* spp. were detected".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Helianthus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Helianthus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Alternaria helianthi*, *Phymatotrichopsis omnivora*, *Plasmopara halstedii*, *Pseudomonas* spp., *Septoria helianthi*, Uredinales, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

For Dormant Tubers Only:
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Phymatotrichopsis omnivora*

OPTION 1:
i) Additional Declaration: "The dormant bulbs have been sourced from a 'pest free area', free from *Phymatotrichopsis omnivora*".

OPTION 2:
i) Additional Declaration: "The dormant bulbs have been sourced from a 'pest free place of production', free from *Phymatotrichopsis omnivora*".
AND
ii) the consignment must be treated for fungi as described in section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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.

Hippeastrum

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Hippeastrum*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Hippeastrum* nursery stock approved for entry into New Zealand

Dormant bulbs
Plants in tissue culture

2. Pests of *Hippeastrum*

Refer to the pest list.

3. Entry conditions for:

3.1 *Hippeastrum* dormant bulbs from any country

(i) <u>*Documentation*</u>

Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.

(ii) <u>*Phytosanitary requirements*</u>

Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Hippeastrum* dormant bulbs have been:

- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions 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

(iii) <u>*Additional declarations to the phytosanitary certificate*</u>

If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate:

"The *Hippeastrum* dormant bulbs in this consignment have been:

- 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
- sourced from a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and phytoplasmas."

(iv) *Post-entry quarantine*
PEQ: Level 1
Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

3.2 *Hippeastrum* dormant bulbs from the Netherlands

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Hippeastrum* dormant bulbs have been:

- produced in accordance with the requirements of the BKD Class 1 bulb certification scheme and inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pest.
  AND
- The bulbs are free from *Armillaria mellea* and *Pratylenchus scribneri*.
  AND
- Sourced from a pest free production site for *Hippeastrum* free from regulated nematodes and fungi and held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate:

- "The Hippeastrum dormant bulbs have been produced in accordance with the requirements of the BKD Class 1 bulb certification scheme and inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pest.
  AND
- The bulbs are free from *Armillaria mellea* and *Pratylenchus scribneri*.
  AND

- Sourced from a pest free production site for *Hippeastrum* free from regulated nematodes and fungi and held in a manner to ensure that infestation/reinfestation does not occur following certification."

(iv) *Post-entry quarantine*
Post-entry quarantine is not required provided that the above measures have been completed.

3.3 *Hippeastrum* plants in tissue culture from any country
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(iii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.
The *Hippeastrum* 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
- derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.

(iv) *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 *Hippeastrum* 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".

(iv) *Post-entry quarantine*
Post-entry quarantine is not required provided that the above measures have been completed overseas. Alternatively, the inspection and testing may be completed in post-entry quarantine upon arrival in New Zealand according to the following conditions:

Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.
PEQ: Level 3B
Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required

Pest List for *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

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under '*Hoya*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Hoya* undetermined tobamoviruses

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Hoya* undetermined tobamoviruses
Pre-determined testing in PEQ: refer to 'Inspection, Testing and Treatment Requirements for *Hoya*'

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2 greenhouse
Minimum Period: 3 months

a. Conditions for *Hoya* undetermined tobamoviruses
Pre-determined testing in PEQ: refer to 'Inspection, Testing and Treatment Requirements for *Hoya*'

Inspection, Testing and Treatment Requirements for *Hoya*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Viruses		
***Hoya* undetermined tobamoviruses**	Growing season inspection in PEQ for symptom expression **AND** RT-PCR	Applies to whole plants, cuttings and tissue culture plants

Notes:
1. All *Hoya* plants within a consignment will need to be tested for *Hoya* undetermined tobamoviruses.
2. Samples for the screening of *Hoya* undetermined tobamoviruses should be taken as close to the end of the PEQ period as practically possible.
3. Screening for *Hoya* undetermined tobamoviruses can be done on unbulked material or bulked samples of up to five plants.
4. If a single positive sample is detected within a consignment, the whole consignment must be either reshipped or destroyed at the expense of the importer.

Hydrangea

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Hydrangea*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phellinus noxius*, *Tetranychus kanzawai*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Hydrangea chinensis* and *Morus alba*

B. For Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

C. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*

Ipomoea batatas

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Ipomoea batatas*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine pests: *Helicobasidium mompa*, *Streptomyces ipomoea*, virus diseases, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Iris*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Iris* nursery stock approved for entry into New Zealand
Whole plants
Dormant bulbs
Plants in tissue culture

2. Pests of *Iris*
Refer to the pest list.

3. Entry conditions for:
3.1 *Iris* whole plants and dormant bulbs from any country
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Iris* dormant bulbs or whole plants have been:
- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- sourced from 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 section or section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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 section 2.2.1.6 [whole plants] or section 2.2.1.7 [dormant bulbs] of the basic conditions 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.

(iii) *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 *Iris* dormant bulbs or whole plants [choose one] 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
- sourced from a 'Pest free area', 'Pest free place of production' or 'Pest free production site', free from regulated bacteria and viruses."

(iv) *Post-entry quarantine*

Whole plants and dormant bulbs

PEQ: Level 1

Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required. Cut flowers may receive biosecurity clearance while the imported plants remain in post-entry quarantine following inspection of the parent plants and with prior approval from an MPI Inspector.

3.2 *Iris* whole plants and dormant bulbs from the Netherlands

(i) *Documentation*

Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.

Import permit: no import permit is required.

(ii) *Phytosanitary requirements*

Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Iris* dormant bulbs or 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
- sourced from 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 section or section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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 section 2.2.1.6 [whole plants] or section 2.2.1.7 [dormant bulbs] of the basic conditions 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.

(iii) *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 *Iris* dormant bulbs or whole plants [choose one] in this consignment have been:
- produced in accordance with the requirements of the BKD Class 1 bulb certification scheme.
  AND
- 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
- sourced from a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses."

(iv) *Post-entry quarantine*
Post-entry quarantine is not required provided that the above measures have been completed.

3.3 *Iris* plants in tissue culture from any country
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(iii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.
The *Iris* 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
- 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*.

(iv) *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 *Iris* plants in tissue culture have been derived from parent stock:

- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests
  AND
- tested using molecular/ serological methods [choose ONE option] and found free of *Tobacco rattle virus*."

(iv) *Post-entry quarantine*

Post-entry quarantine is not required provided that the above measures have been completed overseas. Alternatively, the inspection and testing may be completed in post-entry quarantine upon arrival in New Zealand according to the following conditions:

Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.

Import permit: an import permit is required.

PEQ: Level 3B

Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

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

Juglans

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Juglans*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Ceratocystis fimbriata*, *Erwinia nigrifluens*, *Erwinia quercina* pv. *rubrifaciens*, *Gnomonia leptostyla*, Walnut blackline, Walnut bunch/brooming disease, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
   Note: Only applies to members of the *Juglans* genus

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
   Note: Only applies to members of the *Juglans* genus

Juniperus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Juniperas*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Bursaphelenchus* spp., *Lophodermium* spp., Uredinales, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

For Whole Plants
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
   Note: Only applies to the members of the *Juniperus* genus

Kalmia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Kalmia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

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: *Chrysomyxa ledi*, *Microsphaera* spp., *Phytophthora ramorum*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants from Australia (these commodities may not be imported from other countries)
PEQ: Level 2
Minimum Period: 3 months

a. Additional Declaration
"The plants have been dipped prior to export in propiconazole at the rate of 0.5g a.i. per litre of water."

b. Conditions for *Chrysomyxa ledi* and *Microsphaera* spp.

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Chrysomyxa ledi* and *Microsphaera* spp. are not known to occur in _____[the country or state of where the plants were grown]".
OR
ii) "The plants were inspected during the growing season and no *Chrysomyxa ledi* or *Microsphaera* spp. was detected".

c. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

B. For Tissue Cultures:
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Liatris

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Liatris*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America.

Quarantine Pests: *Phymatotrichopsis omnivora*, Uredinales

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for Uredinales
Additional Declaration: "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on _____[the host species being imported] in _____[the country in which the plants were grown]".

B. For Dormant Bulbs from Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom:

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For Dormant Bulbs from the United States of America
No import permit is required unless the bulbs require post-entry quarantine.
PEQ: None or Level 2 (see below)

a. Additional Declarations
"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".

b. Conditions for *Phymatotrichopsis omnivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The dormant tubers have been sourced from a 'pest free area', free from *Phymatotrichopsis omnivora*".
OR
ii) "The dormant bulbs have been sourced from a 'pest free place of production', free from *Phymatotrichopsis omnivora*".
AND
- the consignment must be treated for fungi as described in Section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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
- Post-entry quarantine: Upon arrival in New Zealand the dormant bulbs will require a period of at least 3 months in Level 2 post-entry quarantine.

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Lilium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Lilium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Lilium* nursery stock approved for entry into New Zealand
Dormant bulbs
Plants in tissue culture

2. Pests of *Lilium*
Refer to the pest list.

3. Entry conditions for:
3.1 *Lilium* dormant bulbs from the Netherlands
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Lilium* dormant bulbs have been:
- produced in accordance with the requirements of the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.
  AND
- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate:

"The *Lilium* dormant bulbs in this consignment have been:

- produced in accordance with the requirements of the BKD Class 1 bulb certification scheme.
  AND
- 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
- sourced from 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 *Phytophthora capsici*:

  - "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
    OR
  - "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".
    OR
  - "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

(iv) <u>*Post-entry quarantine*</u>
Post-entry quarantine is not required provided that the above measures have been completed.

3.2 *Lilium* dormant bulbs from any country <u>other than</u> the Netherlands
(i) <u>*Documentation*</u>
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.

(ii) <u>*Phytosanitary requirements*</u>
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Lilium* dormant bulbs have been:

- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions 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.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section, and by providing the following additional declaration to the phytosanitary certificate:

"The *Lilium* dormant bulbs in this consignment have been:
- 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
- sourced from 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 *Phytophthora capsici*:
  - "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".
    OR
  - "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".
    OR
  - "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

(iv) *Post-entry quarantine*
PEQ: Level 1
Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required. Cut flowers may receive biosecurity clearance while the imported plants remain in post-entry quarantine following inspection of the parent plants (including inspection for bulbils) and with prior approval from an MPI Inspector.

3.3 *Lilium* plants in tissue culture from any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(iii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.
The *Lilium* 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
- 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*.

(iv) <u>*Additional declarations to the phytosanitary certificate*</u>
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 *Lilium* 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 *Apple stem grooving virus* and *Tobacco rattle virus*."

(iv) <u>*Post-entry quarantine*</u>
Post-entry quarantine is not required provided that the above measures have been completed overseas. Alternatively, the inspection and testing may be completed in post-entry quarantine upon arrival in New Zealand according to the following conditions:
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.
PEQ: Level 3B
Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *Lilium*

REGULATED PESTS (actionable)

Insect	
Insecta	
Collembola	
Entomobryidae	
Entomobrya multifasciata	Springtail
Lepidoptera	
Yponomeutidae	
Acrolepiopsis lilivora	-
Mite	
Arachnida	
Acarina	
Acaridae	
Schwiebea cuncta	-
Schwiebea taiwanensis	-
Tenuipalpidae	
Brevipalpus lilium	false spider mite
Nematode	
Adenophorea	
Dorylaimida	
Longidoridae	
Xiphinema insigne	dagger nematode
Trichodoridae	
Paratrichodorus spp. (except *P. lobatus, P. minor, P. pachydermus, P. porosus*)	-
Trichodorus spp. (except *T. christiei, T. cottieri, T. porosus, T. primitivus*)	-
Secernentea	
Tylenchida	
Meloidogynidae	
Meloidogyne spp. (except *M. ardenensis, M. hapla, M. incognita, M. javanica, M. naasi*)	-
Pratylenchidae	
Pratylenchus brachyurus	root lesion nematode
Fungus	
Ascomycota	
Dothideales	
Mycosphaerellaceae	
Didymellina intermedia	black rot
Mycosphaerella martagonis	black blotch
Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria mellea (anamorph *Rhizomorpha subcorticalis*)	armillaria root rot
Auriculariales	
Auriculariaceae	
Helicobasidium mompa	violet root rot
Basidiomycota: Teliomycetes	
Uredinales	
Pucciniaceae	
Puccinia sporoboli (anamorph *Aecidium lilii*)	Rust
Uromyces aecidiiformis	rust fungi

Uromyces holwayi	-
mitosporic fungi (Agonomycetes)	
Agonomycetales	
unknown Agonomycetales	
Rhizoctonia tuliparum	basal rot
Sclerotium rolfsii var. *delphinii*	sclerotium rot
Sclerotium wakkeri	Blackleg
mitosporic fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Macrophoma lilii	black root rot
Phyllosticta liliicola	black rot
unknown Coelomycetes	
unknown Coelomycetes	
Colletotrichum lilii	-
mitosporic fungi (Hyphomycetes)	
Hyphomycetales	
Moniliaceae	
Botrytis hyacinthi	hyacinth blight
Ramularia vallisumbrosae	white mould
Oomycota	
Peronosporales	
Peronosporaceae	
Phytophthora capsici	Fruit rot of peppers
Tubercularialeс	
Tubercularialeсeae	
Fusarium oxysporum f. sp. *lilii*	basal rot
unknown Hyphomycetes	
unknown Hyphomycetes	
Aureobasidium microstictum	-
Bacterium	
Enterobacteriaceae	
Erwinia lilii	-
Virus	
Apple stem grooving virus [strains not in New Zealand]	-
Lily rosette virus	-
Tobacco rattle virus [strains not in New Zealand]	-
Tomato ringspot virus	-

Litchi

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Litchi*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia

Quarantine Pests: *Aceria litchii*, *Phellinus noxius*, Xyloryctidae (Lepidoptera)

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Phellinus noxius* (section 2.2.1.13)

b. Conditions for *Aceria litchii* and members of the Xyloryctidae family
Additional Declaration: "The plants were grown on a nursery that has been inspected for the presence of *Aceria litchii* and members of the Xyloryctidae family and none were found".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Lithocarpus densiflorus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Lithocarpus densiflorus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Ceratocystis fagacearum*, *Cronartium quercuum*, *Phytophthora ramorum*, Tortricidae

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants (dormant) and Cuttings (dormant)

OPTION 1:
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ceratocystis fagacearum*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Ceratocystis fagacearum* is not known to occur in _____[the country or state where the plants/cuttings were grown]".

OR, *for cuttings*:

ii) "The tree(s), from which this material was taken, was inspected during the previous growing season and no *Ceratocystis fagacearum* was detected".

OR, *for young plants*:

iii) "The plants were inspected during the previous growing season and no *Ceratocystis fagacearum* was detected".

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Additional Declaration
"The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water".

OPTION 2:
PEQ: Level 3B
Minimum Period: 6 months

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2, but subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Lophophora williamsii

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Lophophora williamsii*, and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Entry Conditions: Basic; with variations and additional conditions as specified below:

Import permit: an import permit is required. 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

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Malus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Malus* nursery stock approved for entry into New Zealand

Cuttings (dormant); plants in tissue culture

Malus can be imported into Level 2 or Level 3A post entry quarantine from MPI-approved facilities, or into Level 3B post entry quarantine from non-approved facilities.

2. Pests of *Malus*

Refer to the pest list.

3. Entry conditions for:

3.1 *Malus* cuttings and tissue culture from offshore MPI-approved facilities in any country

An offshore approved facility is a facility that has been approved to the Administrative Standard: Standard for Offshore Facilities Holding and Testing Plants for Planting to undertake phytosanitary activities. For *Malus*, the approved facility operator must also have an agreement with MPI on the phytosanitary measures to be undertaken for *Malus*. Refer to the "Inspection, Testing and Treatment Requirements for *Malus*".

(i) <u>*Documentation*</u>

Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Malus* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) <u>*Phytosanitary requirements*</u>

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

The *Malus* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  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 facility].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.

(iii) *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 [cuttings only] and by providing the following additional declarations to the phytosanitary certificate:

"The *Malus* cuttings / plants in tissue culture [choose ONE option] 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 facility].
  AND
- held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

(iv) *Post-entry quarantine*
PEQ: All *Malus* nursery stock must be imported under permit into post-entry quarantine in a Level 2 or Level 3A greenhouse facility approved to the Facility Standard PEQ.STD: Post Entry Quarantine for Plants.

Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown:
(a) for a minimum period of six months (of active continuous growth) in a Level 2 post-entry quarantine greenhouse, following a minimum period of two growing seasons in an offshore MPI-approved facility. Plants will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer.

OR
(b) for a minimum period of 12 months of active growth (including at least one period of six months of active continuous growth) in a Level 3A post-entry quarantine greenhouse, following a minimum period of one growing season in an offshore MPI-approved facility. Plants will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer.

Special requirements for plants imported into a Level 3A quarantine facility:

- 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.

For tissue cultures, the post-entry quarantine period begins when tissue cultures are deflasked into the PEQ greenhouse. The total quarantine period in New Zealand is an indicative minimum quarantine period and this period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Guidance:
The import permit will identify the length of the quarantine period and level of post-entry quarantine for plants imported from an offshore MPI-approved facility. This will depend on how long plants are held at the offshore facility before they are exported to New Zealand, as follows:

- If plants are held at the offshore facility for a minimum of two growing seasons prior to export, the minimum quarantine requirements will be six months active continuous growth in a Level 2 post-entry quarantine facility. - If plants are held at the offshore facility for a minimum of one growing season prior to export, the minimum quarantine requirements will be 12 months active growth (including at least one period of six months active continuous growth) in a Level 3A post-entry quarantine facility.

3.2 *Malus* cuttings and tissue culture from non-approved facilities in any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Malus* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities required by MPI have been undertaken.

The *Malus* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *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 [cuttings only]. No additional declarations are required.

(iv) *Post-entry quarantine*
PEQ: All *Malus* nursery stock must be imported under permit into post-entry quarantine in a Level 3B greenhouse facility approved to the Facility Standard PEQ.STD: Post Entry Quarantine for Plants.

Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 24 months in a post-entry quarantine greenhouse. For tissue cultures, the quarantine period begins when tissue cultures are deflasked into the PEQ greenhouse. During this time, imported material will be inspected, treated and/or tested for regulated pests as specified in the "Inspection, Testing and Treatment Requirements for *Malus*", at the expense of the importer. These times are indicative minimum quarantine periods and may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *Malus*

REGULATED PESTS (actionable)

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

Sesiidae	
Thamnosphecia pyri	apple bark borer
Synanthedon scitula	pecan tree borer
Mite	
Arachnida	
Acarina	
Eriophyidae	
Aculops malus	eriophyid mite
Eriophyes mali	Willamette spider mite
Phyllocoptes mali	eriophyid mite
Cenopalpus chitraliensis	bryobia mite
Cenopalpus haqii	banana mite
Cenopalpus orakiensis	Bailey's apple rust mite
Cenopalpus pulcher	flat scarlet mite
Tenuipalpidae	
Brevipalpus lilium	false spider mite
Brevipalpus obovatus	privet mite
Tenuipalpus taonicus	Pacific mite
Rhinotergum schestovici	mite
Tetranychidae	
Eotetranychus carpini	false spider mite
Eotetranychus uncatus	Lewis spider mite
Eotetranychus willamettei	hazel mite
Oligonychus gossypii	tetranychid mite
Oligonychus newcomeri	spider mite
Oligonychus yothersi	avocado red mite
Tetranychus canadensis	four spotted spider mite
Tetranychus kanzawai	Kanzawa spider mite
Tetranychus mcdanieli	McDaniel spider mite
Tetranychus schoenei	Schoenei spider mite
Amphitetranychus viennensis	hawthorn spider mite
Tydeidae	
Tydeus spp.	tydeid mites
Fungus	
Ascomycota: Ascomycetes	
Diaporthales	
Valsaceae	
Diaporthe tanakae (anamorph Phomopsis tanakae)	pear canker
Leucostoma auerswaldii	leucostoma canker
Diatrypales	
Diatrypaceae	
Eutypella sorbi	stem disease
Dothideales	
Mycosphaerellaceae	
Mycosphaerella pyri (anamorph Septoria pyricola)	leaf fleck of pear
Mycosphaerella tulasnei	rot
Schizothyriaceae	
Schizothyrium perexiguum	greasy blotch
Erysiphales	
Erysiphaceae	
Pleochaeta mali	powdery mildew
Heotiales	
Dermateaceae	
Diplocarpon mali	black spot
Pezicula perennans	perennial canker
Sclerotiniaceae	
Grovesinia pyramidalis (anamorph Cristulariella moricola)	target spot
Monilinia laxa f. sp. *mali*	brown rot
Monilinia mali	monilinia leaf blight
Monilinia fructigena (anamorph Monilia fructigena)	European brown rot

Sclerotinia spp.	neck rot
Rhytismatales	
Cryptomycetaceae	
Potebniamyces pyri (anamorph *Phacidiopycnis piri*)	Phacidiopycnis rot
Sordariales	
Chaetomiaceae	
Chaetomium spp.	fruit rot
Taphrinales	
Taphrinaceae	
Taphrina bullata	leaf blister
Xylariales	
Xylariaceae	
Biscogniauxia marginata	nailhead canker
Daldinia vernicosa	wood rot
Xylaria mali	black root rot
Ascomycota: Saccharomycetes	
Saccharomycetales	
Endomycetaceae	
Endomycopsis mali	rot
Basidiomycota: Basidiomycetes	
Agaricales	
Coprinaceae	
Coprinus psychromorbidus	coprinus rot
Tricholomataceae	
Armillaria mellea	armillaria root rot
Armillaria ostoyae	armillaria root rot
Armillaria tabescens	armillaria root rot
Ceratobasidiales	
Ceratobasidiaceae	
Ceratobasidium stevensii	thread blight
Ganodermatales	
Ganodermataceae	
Ganoderma lucidum	wood rot
Hymenochaetales	
Hymenochaetaceae	
Phellinus pomaceus	white heart rot
Lachnocladiales	
Lachnocladiaceae	
Scytinostroma galactinum	white root rot
Polyporales	
Corticiaceae	
Corticium koleroga	thread blight
Cyphellaceae	
Maireina marginata	wood decay
Meripilaceae	
Phlebia radiata	wood decay
Trametes ochracea	wood decay
Poriales	
Coriolaceae	
Ceriporia spissa	wood rot
Coriolopsis gallica	white rot
Fomes fomentarius	wood decay
Fomitopsis pinicola	brown cubical rot
Laetiporus sulphureus (anamorph *Sporotrichum versisporum*)	brown cubical rot
Lenzites betulina	wood decay
Oxyporus latemarginatus	wood decay
Oxyporus similis	wood decay
Stereales	
Atheliaceae	
Butlerelfia eustacei	storage rot

Sistotremataceae	
Phymatotrichopsis omnivorum	Texas root rot
Basidiomycota: Urediniomycetes	
Uredinales	
Pucciniaceae	
Gymnosporangium clavipes	quince rust
Gymnosporangium cornutum	rust
Gymnosporangium fuscum	European pear rust
Gymnosporangium globosum	American hawthorn rust
Gymnosporangium hemisphaericum	rust
Gymnosporangium libocedri	Pacific Coast pear rust
Gymnosporangium nelsonii	Rocky Mountain pear rust
Gymnosporangium nidus-avis	rust
Gymnosporangium nootkatense	yellow cypress rust
Gymnosporangium shiraianum	rust
Gymnosporangium spp.	cedar apple rust
Gymnosporangium tremelloides	common juniper gall rust
Gymnosporangium yamadae	Japanese apple rust
Gymnosporangium juniperi-virginianae	cedar apple rust
Unknown Uredinales	
Roestelia fenzeliana	rust
Roestelia levis	rust
Basidiomycota: Ustomycetes	
Platygloeales	
Platygloeaceae	
Helicobasidium mompa	violet root rot
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Cytospora schulzeri	bark disease
Dothiorella mali	fruit rot
Phomopsis truncicola	blight
Phyllosticta solitaria	apple blotch
Phyllosticta spp.	leaf spot
Pyrenochaeta mali	fruit rot
Sphaeropsis pyriputrescens	Sphaeropsis rot
Mitosporic Fungi (Hyphomycetes)	
Hyphomycetales	
Dematiaceae	
Alternaria mali	alternaria blotch
Alternaria spp.	
Helminthosporium papulosum	black pox
Cladosporium spp.	mouldy core
Epicoccum spp.	mouldy core
Stemphylium spp.	
Ulocladium spp.	cladosporium rot
Moniliaceae	
Aspergillus spp.	coloured moulds
Botrytis mali	fruit rot
Cephalosporium carpogenum	fruit rot
*Cephalosporium s*pp.	
Penicillium spp.	rot
Ramularia macrospora	bellflower leaf spot
Verticillium spp.	verticillium wilt
Tubercularialeс	
Tubercularialeaceae	
Fusarium spp.	
Unknown Hyphomycetes	
-	
Oidium spp.	powdery mildew

Oomycota: Oomycete		
Peronosporales		
Peronosporaceae		
	Phytophthora capsici	fruit rot of peppers
	Phytophthora palmivora	black rot
Bacterium		
Schizomycetes		
Pseudomonadales		
Pseudomonadaceae		
	Pseudomonas syringae pv. *papulans*	blister spot
Virus		
	Cherry rasp leaf virus	
+	*Tomato bushy stunt virus*	
	Tomato ringspot virus	
Viroid		
	Apple dimple fruit viroid	
	Apple fruit crinkle viroid	
	Apple scar skin viroid	
Phytoplasma		
	'*Candidatus* Phytoplasma asteris'	Apple sessile leaf phytoplasma
	'*Candidatus* Phytoplasma mali'	Apple proliferation phytoplasma
Disease of unknown aetiology		
	Apple 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	

Inspection, Testing and Treatment Requirements for *Malus*

ORGANISM TYPES	MPI-ACCEPTED METHODS
Mites	Visual inspection **AND** approved miticide treatments as described in the section 2.2.1.6 of the Basic conditions [cuttings only] **or** binocular microscope inspection in PEQ [plants in tissue culture only]
Fungi	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post entry quarantine facility. 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. Growing season inspection in PEQ for symptom expression
Bacteria	
Pseudomonas syringae pv. *papulans*	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post entry quarantine facility. Growing season inspection for symptom expression **AND** PCR
Viruses	
Cherry rasp leaf virus	PCR
Tomato bushy stunt virus	PCR
Tomato ringspot virus	ELISA **or** PCR
Viroids	
Apple dimple fruit viroid	PCR
Apple fruit crinkle viroid	PCR
Apple scar skin viroid	PCR
Phytoplasmas	
'*Candidatus* Phytoplasma asteris' (Apple sessile leaf phytoplasma)	Nested PCR **or** real time PCR using universal phytoplasma primers
'*Candidatus* Phytoplasma mali' (Apple proliferation phytoplasma)	Nested PCR **or** real time PCR using universal phytoplasma primers
Diseases of unknown aetiology	
Apple blister bark agent	Growing season inspection
Apple brown ringspot agent	Growing season inspection
Apple bumpy fruit agent	Growing season inspection
Apple bunchy top agent	Growing season inspection
Apple dead spur agent	Growing season inspection
Apple decline	Growing season inspection
Apple freckle scurf agent	Growing season inspection
Apple green dimple and ring blotch agent	Growing season inspection
Apple junction necrotic pitting agent	Growing season inspection
Apple McIntosh depression agent	Growing season inspection
Apple narrow leaf agent	Growing season inspection
Apple Newton wrinkle agent	Growing season inspection
Apple pustule canker agent	Growing season inspection
Apple red ring agent	Growing season inspection
Apple rosette agent	Growing season inspection
Apple rough skin agent	Growing season inspection
Apple russet wart agent	Growing season inspection
Apple star crack agent	Growing season inspection
Apple transmissible internal bark necrosis agent	Growing season inspection

Notes:

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

exporting NPPO must endorse additional declarations on the phytosanitary certificate, to be considered equivalent to testing in post entry quarantine.

2. The **unit for testing** is definied in section 2.3.2.1.
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. **Testing protocols** for tests completed in New Zealand are described in the Malus (Apple) Post-Entry Quarantine Testing Manual, which can be viewed on the website:
   http://www.mpi.govt.nz/protection-and-response/laboratories/plant-health-and-environment-laboratory/publications/
8. **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.
9. **Other internationally recognised testing methods** may be accepted by MPI with prior notification.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Mangifera*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

Imports of *Mangifera indica* are suspended. Phytosanitary measures need to be reviewed before *Mangifera indica* can be imported. Click here to learn how to request a review.

Guidance:
Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, India, Mexico, Pakistan, Philippines

Quarantine Pests: *Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora palmivora*, *Xanthomonas campestris* pv. *mangiferae-indicae*, and *Xylella fastidiosa*.

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Mangifera indica*

c. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

d. Conditions for *Xanthomonas campestris* pv. *mangiferae-indicae*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Xanthomonas campestris* pv. *mangiferae-indicae* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The plants were inspected during the growing season and no *Xanthomonas campestris* pv. *mangiferae-indicae* was detected".

e. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Xanthomonas campestris* pv. *mangiferae-indicae*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Xanthomonas campestris* pv. *mangiferae-indicae* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) **"**The plants were inspected during the growing season and no *Xanthomonas campestris* pv. *mangiferae-indicae* was detected".

b. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Metrosideros*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

Imports of *Plinia cauliflora* are suspended. Phytosanitary measures need to be reviewed before *Plinia cauliflora* can be imported. Click here to learn how to request a review.

Guidance:
Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Ceratocystis fimbriata*, *Phellinus noxius*, *Phytophthora palmivora*, *Puccinia psidii* sensu lato (s.l.) complex (including *Uredo rangelii*), *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants

OPTION 1:
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Metrosideros* and *Pimenta* genera

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to members of the *Callistemon*, *Leptospermum*, *Metrosideros, Myrtus* and *Psidium* genera

c. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Melaleuca leucadendra*

d. Conditions for *Phytophthora palmivora*
Note: Only applies to members of the *Psidium* genus

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

e. Conditions for *Puccinia psidii* s.l. complex (including *Uredo rangelii*)
Additional Declaration: "*Puccinia psidii* s.l. complex (including *Uredo rangelii*) is not known to occur in _____[the country of origin]".

OPTION 2:
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Metrosideros* and *Pimenta* genera

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only applies to members of the C*allistemon*, *Leptospermum, Metrosideros, Myrtus* and *Psidium* genera

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Note: Only applies to members of the *Callistemon, Leptospermum, Metrosideros, Myrtus* and *Psidium* genera

b. Conditions for *Puccinia psidii* s.l. complex (including *Uredo rangelii*)

OPTION 1:

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:
i) "*Puccinia psidii* s.l. complex (including *Uredo rangelii*) is not known to occur in _____[the country of origin]".

OR

ii) "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)".

OPTION 2:
As per section 2.2.2.4, an import permit is required
PEQ: Level 2 Tissue culture laboratory
Minimum Period: 4 weeks

- The cultures containers are not to be opened during the quarantine period.
Guidance for importers: Tissue cultures imported under this option must complete the PEQ requirements for *Puccinia psidii* before being deflasked into the PEQ greenhouse.

Miscanthus x *giganteus*

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Miscanthus x giganteus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

1. **Approved Countries:** United Kingdom and United States of America

2. **Type of material permitted entry:** Plants *in-vitro*

3. **Pests of *Miscanthus* x *giganteus***
   Refer to the enclosed pest list.

4. **Entry conditions:**

(i) *Documentation*

Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Miscanthus* x *giganteus* nursery stock exported to New Zealand.

Import permit: an import permit is required.

(ii) Phytosanitary requirements

The full botanical name of *Miscanthus* x *giganteus* must be identified upon the phytosanitary certificate.

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

The *Miscanthus x giganteus* plants in tissue culture have been:

- derived from mother plants which were not expressing symptoms of infection by regulated pests prior to the excision of the in-vitro plantlets.
  AND
- derived from explant material which has been surface sterilised in a solution of 0.5% sodium hypochlorite and sterile water, or MPI approved alternative treatment.
  AND
- propagated in culture media which is clear.
  AND
- prepared by asexual reproduction (clonal techniques) under sterile conditions.
  AND
- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND

- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *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. The following additional declarations must be identified on the phytosanitary certificate.

"The *Miscanthus* x *giganteus* plants in-vitro in this consignment have been:
- derived from mother plants sourced from a 'pest free area', 'pest free place of production' or 'pest free production site', free from *Leifsonia xyli* subsp. *xyli,* Miscanthus streak virus, and Sugarcane mosaic virus
  AND
- derived from mother plants sourced from a 'pest free area', 'pest free place of production' or 'pest free production site', free from *Ustilago scitaminea* **OR** derived from explants that have been subjected to two consecutive hot water treatments at a minimum temperature of 50˚C for 3 hours per treatment **OR** two consecutive hot water treatments at a minimum temperature of 52˚C for 1 hour per treatment"

(iv) *Inspection, Testing and Treatment of the consignment*

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 within the testing and treatment requirements in this schedule.

(v) *Post-entry quarantine*
PEQ: Level 2
Quarantine Period: A minimum post entry quarantine period of 60 days of active continuous growth, within environmental conditions comprising a minimum average daily temperature of 20°C, and 8 hour light period shall be required to complete inspections and/or testing for pests as specified within the enclosed Regulated Pest List.

The quarantine period may be extended if material is slow growing, environmental requirements are not met, pests are detected, or additional treatments/tests are required. Sub-culturing is not to be undertaken during the PEQ period without prior approval from MPI. The costs of all inspections, tests and treatments while the *Miscanthus* x *giganteus* plant material is in PEQ shall be borne by the importer.

(vi) *Conditions for Xylella fastidiosa on tissue culture (section 2.2.2.5)*
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for plant material from countries not recognised by MPI as free from *Xylella fastidiosa*.

Regulated Pest List for *Miscanthus x giganteus*:

Bacteria

Acidovorax avenae ssp. *avenae*	Bacterial leaf blight
Leifsonia xyli subsp. *Xyli*	Sugarcane ratoon stunting disease
Xylella fastidiosa	Bacterial leaf scorch

Fungi

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

Mites

Schizotetranychus celarius	Bamboo mite

Viruses

Miscanthus streak virus
Sugarcane mosaic virus

Treatment and Testing Requirements during post entry quarantine:

Guidance:
Treatment and testing requirements identified within this table are required to be undertaken when official assurances specified in this schedule cannot be provided by the exporting country's NPPO.

ORGANISM TYPES	MPI ACCEPTED MEASURES
Fungi	
Ustilago scitaminea	PCR/BIO-PCR, **OR** two consecutive hot water treatments at a minimum temperature of 50°C for 3 hours per treatment **OR** two consecutive hot water treatments at a minimum temperature of 52°C for 1 hour per treatment.
Bacteria	
Leifsonia xyli subsp. *xyli*	PCR/BIO-PCR, **OR** fluorescent-antibody staining of sap extracts, concentrated on membrane filters by filtration with observation by epifluorescence microscopy.
Xylella fastidiosa	PCR
Viruses	
Miscanthus streak virus	PCR
Sugarcane mosaic virus	PCR or ELISA

Notes:

1. **Unit for testing:** The unit for testing is defined in section 2.3.2.1.
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.
6. **Other internationally recognised testing methods:** May be accepted by MPI with prior notification.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Musa*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

This schedule is suspended. Phytosanitary measures need to be reviewed before this schedule can be used. Click here to learn how to request a review.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Bunchy top virus, *Cosmopolites sordidus*, *Fusarium oxysporum* f.sp. *cubense*, *Mycosphaerella fijiensis*, *Pseudomonas solanacearum*, *Radopholus similis*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2, but subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.
PLUS
As per section 2.2.2.4, an import permit is required

a. Conditions for Bunchy top virus
Additional Declaration: "The cultures have been derived from parent stock tested and found free of Bunchy top virus".

Nandina

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Nandina*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Alternanthera mosaic virus*, *Phellinus noxius*, *Plantago asiatica mosaic virus* (synonym *Nandina mosaic virus*), *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Phellinus noxius* (section 2.2.1.13)

c. Conditions for *Alternanthera mosaic virus* and *Plantago asiatica mosaic virus*

Additional Declaration: "*Alternanthera mosaic virus* and *Plantago asiatica mosaic virus* are not known to occur in _____[the country or state where the plants were grown]".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Alternanthera mosaic virus* and *Plantago asiatica mosaic virus*

Additional Declaration: "The cultures have been derived from parent stock tested and found free of *Alternanthera mosaic virus* and *Plantago asiatica mosaic virus*".

Narcissus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Narcissus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Frankliniella occidentalis*, *Hepialus lupulinus*, *Lilioceris lilii*, *Pratylenchus scribneri*, *Ramularia vallisumbrosae*, *Sclerotinia polyblastis*, *Steneotarsonemus laticeps*, virus diseases.

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

B. For 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:

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
   i) **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."
   OR
   ii) **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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

C. For 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:

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Additional Declarations
   "The dormant bulbs in this consignment have been:
   i) derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests.
   AND
   ii) treated for regulated insects as described in section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for virus diseases
   Additional Declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Olea*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

Type of *Olea* nursery stock approved for entry into New Zealand
Cuttings (dormant); Plants in tissue culture

Pests of *Olea*
Refer to the pest list.

Entry conditions for:
3.1 *Olea* cuttings and tissue culture from any country
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Olea* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) Phytosanitary requirements
Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities required by MPI have been undertaken.

The *Olea* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *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 [cuttings only]

(iv) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(v) *Post-entry quarantine*

PEQ: All *Olea* nursery stock must be imported under permit into post-entry quarantine in a Level 3B greenhouse facility approved to the Facility Standard PEQ.STD: Post Entry Quarantine for Plants.

Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 12 months in post-entry quarantine and will be inspected, treated and/or tested for regulated pests as specified in the "Inspection, Testing and Treatment Requirements for *Olea*", at the expense of the importer. Twelve months is an indicative minimum quarantine period and this period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *Olea*

REGULATED PESTS (actionable)

Insect	
Insecta	
Insecta	
Coccidae	
Saissetia privigna	black scale
Coleoptera	
Attelabidae	
Rhynchites cribripennis	twig cutter
Buprestidae	
Anthaxia ariadna	wood-boring beetle
Scolytidae	
Hylesinus fraxini	bark beetle
Hylesinus oleiperda	bark beetle
Hylesinus toranio	bark beetle
Phloeotribus oleae	bark beetle
Phloeotribus scarabaeiodes	bark beetle
Xylosandrus compactus	black twig borer
Diptera	
Cecidomyiidae	
Thomasiniana sp.	olive bark midge
Asterolecaniidae	
Pollinia pollini	globe shaped olive scale
Coccidae	
Ceroplastes rusci	fig wax scale
Lichtensia viburni	scale
Metaceronema japonica	scale insect
Diaspididae	
Aonidomytilus espinosai	scale
Hemiberlesia palmae	palm scale
Leucaspis riccae	scale
Lindingaspis ferrisi	scale
Parlatoria oleae	olive scale
Pseudaulacaspis pentagona	white peach scale
Selenaspidus articulatus	West Indian red scale
Lepidoptera	
Pyralidae	
Euzophera pinguis	bark borer
Mite	
Arachnida	
Acarina	
Eriophyidae	
Aceria cretica	mite
Aceria oleae	olive mite
Aculops benakii	olive yellow spot mite
Aculus olearius	olive mite
Ditrymacus athiasellus	olive mite
Eriophyes oleae	olive bud mite
Eriophyes olivi	olive mite
Oxycenus maxwelli	olive leaf and flower mite
Oxycenus niloticus	olive leaf and flower mite
Oxycenus noloticus	olive leaf and flower mite
Tegonotus hassani	olive rust mite
Tenuipalpidae	
Brevipalpus chalkidicus	false spider mite

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

Macrophoma dalmatica	fruit rot
Phoma incompta	stem blight
Phyllosticta oleae	phyllosticta leaf spot
Septoria obesa	leaf spot
Septoria oleae	leaf spot
Septoria oleagina	leaf spot
Septoria serpentaria	leaf spot
Sphaeropsis dalmatica	stem gall
Sphaeropsis oleae	stem gall
Unknown Coelomycetes	
Unknown Coelomycetes	
Cylindrosporium olivae	leaf spot
Bacterium	
Pseudomonadaceae	
Pseudomonas syringae pv. *garcae*	twig blight
Xylella fastidiosa	
Virus	
Cherry leaf roll virus [strains not in New Zealand]	-
Olive latent 1 virus	-
Olive latent 2 virus	-
Olive latent ringspot virus	-
Olive leaf yellowing-associated virus	-
Strawberry latent ringspot virus [strains not in New Zealand]	-
Phytoplasma	
Olive witches' broom phytoplasma	-
Disease of unknown aetiology	
Infectious yellows	-
Leaf malformation	-
Olive sickle leaf disease	-
Olive yellow mosaic disease	-
Olive yellow mottling and decline	-
Partial paralysis	-

Inspection, Testing and Treatment Requirements for *Olea*

ORGANISM TYPES	**MPI ACCEPTED METHODS** (See notes below)
Mites	Visual inspection **AND** approved miticide treatments (Refer to section 2.2.1.6 of the basic conditions) [cuttings only] **or** binocular microscope inspection in PEQ [plants in tissue culture only].
Fungi	Growing season inspection in PEQ for disease symptom expression.
Oomycete	Growing season inspection in PEQ for disease symptom expression.
Bacteria	
Pseudomonas syringae pv. *garcae*	Growing season inspection in PEQ for disease symptom expression.
Xylella fastidiosa	Growing season inspection in PEQ for disease symptom expression **AND** PCR
Viruses	
Cherry leaf roll virus [strains not in New Zealand]	ELISA **or** PCR
Olive latent 1 virus	PCR
Olive latent 2 virus	PCR
Olive latent ringspot virus	PCR
Olive leaf yellowing-associated virus	PCR
Strawberry latent ringspot virus [strains not in New Zealand]	ELISA **or** PCR
Phytoplasmas	Nested PCR **or** real time PCR using universal phytoplasma primers.
Diseases of unknown aetiology	Growing season inspection in PEQ for disease symptom expression.

Notes:

1. The unit for testing is defined in section 2.3.2.1.
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. Ideally positive internal controls and a negative plant control should be used. Internal controls in PCR tests are important to avoid the risk of false negatives.
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.
8. With prior notification, MPI will accept other internationally recognised testing methods.

Paeonia (herbaceous species)

Note: These entry conditions only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Paeonia* (herbaceous)".

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America

Quarantine Pests: *Cronartium flaccidum*, *Phymatotrichopsis omnivora*

Entry Conditions: Basic; with variations and additional conditions as specified below:

For Dormant Tubers:
PEQ: Level 1 or Level 2 (see below)
Minimum Period: 3 months

a. Conditions for *Cronartium flaccidum*
Additional Declaration: "The dormant tubers have been sourced from a 'pest free area' or 'pest free place of production', free from *Cronartium flaccidum*".

b. Conditions for *Phymatotrichopsis omnivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The dormant tubers have been sourced from a 'pest free area', free from *Phymatotrichopsis omnivora*".
OR
ii) "The dormant bulbs have been sourced from a 'pest free place of production', free from *Phymatotrichopsis omnivora*".
AND
- The consignment must be treated for fungi as described in Section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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
- Post-entry quarantine: Upon arrival in New Zealand the dormant bulbs will require a period of at least 3 months in Level 2 post-entry quarantine.

Paeonia (tree species)

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Paeonia* (tree species)", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America

Quarantine Pests: *Cronartium flaccidum*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 1
Minimum Period: 3 months
Isolation: open ground - 400m from any *Pinus* tree

a. Conditions for *Cronartium flaccidum*
   i) Aditional Declaration: "*Cronartium flaccidum* is not known to occur in _____[the country or state where the plants were grown]".
   AND
   ii) Aditional Declaration: "The plants have been dipped in propiconazole at the rate of 0.5g a.i. per litre of water".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Papaver somniferum

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Papaver somniferum*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Entry Conditions: Basic; with variations and additional conditions as specified below:

Import permit: an import permit is required. 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

Paulownia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Paulownia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia

Quarantine Pests: *Phytophthora palmivora*, Witches broom phytoplasma, and *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for Witches broom phytoplasma
Additional Declaration: "Witches broom phytoplasma is not known to occur in _____[the country or state where the plants were grown]".

b. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for Witches broom phytoplasma
Additional Declaration: "The cultures have been derived from parent stock tested and found free of Witches broom phytoplasma".

b. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Persea

Guidance:

Persea nursery stock (plants for planting) is no longer eligible for import under this schedule.

Import requirements for *Persea americana* plants for planting are now set out in: Import Health Standard: *Persea americana* Plants for Planting, available on the plant imports website at: https://www.mpi.govt.nz/import/plants-flowers-seeds-plant-growing-products/nursery-stock/requirement-documents-for-importing-nursery-stock/.

No other species of *Persea* are currently eligible for importation.

Petunia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Petunia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phytophthora palmivora*, *Potato spindle tuber viroid*, *Tomato chlorotic dwarf viroid*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants and Cuttings
Import Permit: An import permit is required
GM Testing Certificate or Non-GMO Declaration: A copy of the GM testing certificate or signed non-GMO declaration must be submitted with the import permit application and with the imported whole plants and cuttings upon arrival in New Zealand
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora palmivora*
Note: Only applies to members of the *Petunia* genus

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

b. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Petunia*".

c. Conditions for *Tomato chlorotic dwarf viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Petunia*".

B. For Tissue Cultures

GM Testing Certificate or Non-GMO Declaration: A copy of the GM testing certificate or signed non-GMO declaration must be submitted with the imported tissue cultures upon arrival in New Zealand

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

PLUS

a. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Petunia*".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Potato spindle tuber viroid* during the quarantine period.

b. Conditions for *Tomato chlorotic dwarf viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Petunia*".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Tomato chlorotic dwarf viroid* during the quarantine period.

Requirements for *Petunia* nursery stock:
All varieties of *Petunia* nursery stock imported into New Zealand must meet one of the following requirements:

i. A non-GMO declaration, signed by the importer and exporter, that the *Petunia* nursery stock is free from genetically modified material must be submitted (for a copy of the 'Declaration Form' refer to the end of this schedule).
OR

ii. 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:

Requirements for GM Testing Certificates

- 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 *Protocol for Testing for the Presence of Genetically Modified Plant Material*.
- 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.
- 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 Genetically Modified Plant Material http://mpi.govt.nz/importing/plants/seeds-for-sowing/genetically-modified-seeds/

Inspection, Testing and Treatment Requirements for *Petunia*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Viroids		
Potato spindle tuber viroid	PCR based methods	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility
Tomato chlorotic dwarf viroid	PCR based methods	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Potato spindle tuber viroid* and *Tomato chlorotic dwarf viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Declaration Form

To be completed and signed by the exporter and importer.

As defined by the New Zealand HSNO Act 1996, Genetically modified organism means, unless expressly provided otherwise by regulations, 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.

Note that under the Hazardous Substances and New Organisms (HSNO) Act 1996, the import and release of any genetically modified crop without approval from the Environmental Protection Authority (EPA) is unlawful.

I, (**Exporter**'s name and address)…

declare that according to the requirements set out in the Nursery Stock Import Health Standard (MPI Import Health Standard: 155.02.06: Importation of Nursery Stock - https://www.biosecurity.govt.nz/dmsdocument/1152-Nursery-Stock-Import-Health-Standard,

Insert species name and lot/line number or unique identifier as stated on all the other import documentation

was produced neither "from" nor "by" genetically modified crops.

I undertake to inform immediately the importer and the Ministry for Primary Industries, MPI, New Zealand of any information that can undermine the accuracy of this declaration.

Note that MPI may request evidence as to how production, handling and transport of these nursery stock is performed in the field, or require and audit as a way to provide quality to the production system.

I, (**Importer**'s name and address)…

declare to the best of my knowledge that according to the requirements set out in the Nursery Stock Import Health Standard (MPI Import Health Standard: 155.02.06: Importation of Nursery Stock - https://www.biosecurity.govt.nz/dmsdocument/1152-Nursery-Stock-Import-Health-Standard,

Insert species name and lot/line number or unique identifier as stated on all the other import documentation

was produced neither "from" nor "by" genetically modified crops.

Signed by **Exporter** and Company Name (details) and date	Signed by **Importer** and Company Name (details) and date

Warning: Any person who knowingly makes a statement of information or a declaration that is false or misleading in a material particular may on summary conviction, be sentenced to a term of imprisonment and/or fined not exceeding $500,000.00.

Phalaenopsis

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Phalaenopsis*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Basella rugose mosaic virus*, *Capsicum chlorosis virus*, *Orchid fleck dichorhavirus, Phytophthora palmivora*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Orchid fleck dichorhavirus*

   Growing season inspection in post-entry quarantine for symptom expression.

b. Conditions for *Phytophthora palmivora*
   One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

   i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

   OR

   ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

   OR

   iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

B. For Whole Plants in growing media from Taiwan
No import permit is required
PEQ: None
Specific Requirements: Sections 2.2.1.6 and 2.2.1.9 of the Basic Conditions are not required.
Additional Declarations:

a. Additional Declaration
   i) "The *Phalaenopsis* spp. whole plants in MPI-approved growing media in this consignment:
      - have been sourced from 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."

b. Conditions for *Phytophthora palmivora*
One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

C. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Philodendron

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Philodendron*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Phoenix

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Phoenix*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Hawaii, mainland United States of America

Quarantine Pests: Cadang-cadang, Fusarium wilt, Lethal yellowing, *Phytophthora palmivora*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants and Cuttings
PEQ: Level 2
Minimum Period: 3 months
Height Limit: Plants must not exceed 1.5m in height

a. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

c. Conditions for Cadang cadang, lethal yellowing and *Fusarium oxysporum* f.sp. *canariensis*
Additional Declaration: "Cadang cadang, lethal yellowing and *Fusarium oxysporum* f.sp. *canariensis* are not known to occur in _____[the country or state where the plants were grown]".

B. For Tissue Culture
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
   Guidance for importers: The minimum quarantine period will be 6 months for tissue cultures sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Conditions for Cadang cadang and lethal yellowing

   Additional Declaration: "Cadang cadang and lethal yellowing are not known to occur in _____[the country or state where the plants were grown]".

Photinia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Photinia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Gymnosporangium* spp., *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

c. Conditions for *Gymnosporangium* spp.

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "*Gymnosporangium* spp. are not known to occur on _____ [name of plant species] in _____[the country or state where the plants were produced]".
OR
ii) "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".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Planera

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Planera*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Elm mosaic virus, Elm phloem necrosis, *Phellinus noxius*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Phellinus noxius* (section 2.2.1.13)
   Note: Only applies to the following species: *Zelkova serrata*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 3 months

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Platanus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Ceratocystis platani*, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A: For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Ceratocystis platani*:

OPTION 1: For countries where *Ceratocystis platani* is not known to be present
i) Additional Declaration: "The plants have been sourced from a country free from *Ceratocystis platani"*

OPTION 2: For countries where *Ceratocystis platani* is known to be present
i) Additional Declaration: "The plants have been sourced from a state/province free from *Ceratocystis platani* or from a 'pest free place of production' free from *Ceratocystis platani*"
AND
ii) The plants must be tested for *Ceratocystis platani* during the post entry quarantine period, at an MPI approved diagnostic facility.

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Polyscias

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Polyscias*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Poncirus

Guidance:

Poncirus nursery stock (plants for planting) is no longer eligible for import under this schedule.

Import requirements for *Poncirus* plants for planting are now set out in: Import Health Standard: *Citrus* Plants for Planting, available on the plant imports website at: https://www.mpi.govt.nz/import/plants-flowers-seeds-plant-growing-products/nursery-stock/requirement-documents-for-importing-nursery-stock/

Populus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Populus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America

Quarantine Pests: *Ceratocystis fimbriata*, *Marssonina* spp., *Phellinus noxius*, *Phytophthora ramorum*, Uredinales, virus diseases, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

d. Conditions for *Phellinus noxius* (section 2.2.1.13)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Prunus

Note: The guidance below only applies to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Prunus*".

Guidance:

Prunus nursery stock (plants for planting) is no longer eligible for import under this schedule.

Import requirements for *Prunus* plants for planting are now set out in: Import Health Standard: *Prunus* Plants for Planting, available on the plant imports website at: https://www.biosecurity.govt.nz/dmsdocument/39488-Prunus-Plants-for-Planting-Import-Health-Standard

Pseudotsuga

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Pseudotsuga*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Bursaphelenchus* spp., *Lophodermium* spp., *Phytophthora ramorum*, Uredinales, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 6 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Pyrus

Scientific name	Commodity Sub-class	Date Issued
Pyrus communis	Cuttings (dormant)	12 June 1998

This schedule is suspended. Phytosanitary measures need to be reviewed before the schedule can be used. Click here to learn how to request a review.

Quercus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Quercus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States of America.

Quarantine Pests: *Ceratocystis fagacearum*, *Ceratocystis fimbriata*, *Cronartium quercuum*, *Cryphonectria parasitica*, *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)
Note: Only applies to members of the *Quercus* genus

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Ranunculus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Ranunculus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard. These conditions do not apply to *Ranunculus arvensis*, *Ranunculus repens* and *Ranunculus sardous*, for which there is currently no import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phymatotrichopsis omnivora*, Virus diseases, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

B. For Dormant Bulbs from Australia and South Africa

OPTION 1:
No import permit is required
PEQ: None

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only nursery stock sourced from a country recognised by MPI as free from *Xylella fastidiosa* can be imported under this option.

b. Additional Declaration

"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only nursery stock sourced from a country recognised by MPI as free from *Xylella fastidiosa* can be imported under this option

C. For Dormant Bulbs from the United States of America
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for virus diseases

Additional Declaration: "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."

c. Conditions for *Phymatotrichopsis omnivora*

OPTION 1

i) Additional Declaration: "The dormant bulbs have been sourced from a 'Pest free area', free from *Phymatotrichopsis omnivora*".

OPTION 2

i) Additional Declaration: "The dormant bulbs have been sourced from a 'Pest free place of production', free from *Phymatotrichopsis omnivora*".

AND

ii) the consignment must be treated for fungi as described in section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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.

D. For Dormant Bulbs from all other Countries

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Note: Only nursery stock sourced from a country recognised by MPI as free from *Xylella fastidiosa* can be imported under this option.

b. Conditions for *Phymatotrichopsis omnivora*:

Additional Declaration: "The dormant bulbs have been sourced from a 'Pest free area', free from *Phymatotrichopsis omnivora*"

c. Additional Declaration
"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold storage or shipment".

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Phymatotrichopsis omnivora*

i) Additional Declaration: "The dormant bulbs have been sourced from a 'Pest free area', free from *Phymatotrichopsis omnivora*".

AND

ii) the consignment must be treated for fungi as described in section 2.2.1.7 "Pesticide treatments for dormant bulbs". 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.

c. Additional Declaration

"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold storage or shipment".

E. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)

Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Conditions for virus diseases

Additional Declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

Rhododendron

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Rhododendron*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Microsphaera* spp., *Ovulinia azalea*, *Phellinus noxius*, *Phytophthora ramorum*, Uredinales

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Rhododendron xobtusum*

c. Conditions for *Microsphaera* spp. and rust diseases

i) Additional Declaration: "*Microsphaera* spp., and the following rust diseases are not known to occur on *Rhododendron* spp. in _____ [the country or state where the plants were grown]".
Note: Applies to the following rust diseases: *Aecidium rhododendri*, *Aecidium sinorhododendri*, *Chrysomyxa ledi*, *Chrysomyxa ledicola*, *Chrysomyxa dieteli*, *Chrysomyxa expansa*, *Chrysomyxa himalensis*, *Chrysomyxa komarovii*, *Chrysomyxa piperiana*, *Chrysomyxa roanensis*, *Chrysomyxa succinea*, *Chrysomyxa taghishae*, *Puccinia rhododendri*, *Pucciniastrum vaccinii*

OR

ii) 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.

B. For Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Microsphaera* spp. and rust diseases

i) Additional declaration: "*Microsphaera* spp., and the following rust diseases are not known to occur on *Rhododendron* spp. in _____ [the country or state where the plants were grown]".
Note: Applies to the following rust diseases: *Aecidium rhododendri*, *Aecidium sinorhododendri*, *Chrysomyxa ledi*, *Chrysomyxa ledicola*, *Chrysomyxa dieteli*, *Chrysomyxa expansa*, *Chrysomyxa himalensis*, *Chrysomyxa komarovii*, *Chrysomyxa piperiana*, *Chrysomyxa roanensis*, *Chrysomyxa succinea*, *Chrysomyxa taghishae*, *Puccinia rhododendri*, *Pucciniastrum vaccinii*

OR

ii) 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.

C. For Tissue Cultures:

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Ribes

Scientific name	Commodity Sub-class	Date Issued
Ribes nigrum	Whole Plants	19 June 1998
Ribes uva-crispa	Whole Plants	19 June 1998

This schedule is suspended. Phytosanitary measures need to be reviewed before the schedule can be used. Click here to learn how to request a review.

Rosa

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Rosa*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Rosa* nursery stock approved for entry into New Zealand
Whole plants, cuttings (non-dormant and dormant cuttings), plants in tissue culture

2. Quarantine pests

Fungi	*Phellinus noxius*, Pucciniales
Oomycetes	*Phytophthora ramorum*
Bacteria	*Ralstonia pseudosolanacearum*, *Xylella fastidiosa*
Viruses	*Blackberry chlorotic ringspot virus*, *Grapevine Pinot gris virus*, *Raspberry ringspot virus* (strains not in New Zealand), *Rose rosette virus*
Phytoplasmas	'*Candidatus* Phytoplasma asteris', '*Candidatus* Phytoplasma aurantifolia', '*Candidatus* Phytoplasma mali', '*Candidatus* Phytoplasma prunorum', '*Candidatus* Phytoplasma rubi'

3. Approved Countries: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ralstonia pseudosolanacearum*
One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

c. Conditions for *Phellinus noxius* (section 2.2.1.13)

d. Conditions for viruses

i) Additional Declaration: "[*Virus name*] is absent/not known to occur in _____ [name of country]"

OR

ii) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*"

e. Conditions for *Grapevine Pinot gris virus*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The *Rosa* plants in this consignment were produced in a 'pest free area' for *Grapevine Pinot gris virus*".

OR

ii) "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for *Grapevine Pinot gris virus*".

f. Conditions for phytoplasmas
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

g. Conditions for Pucciniales

i) Additional Declaration: "The plants have been dipped in propiconazole at the rate of 5g a.i. per 10 litres of water".

OR

ii) For countries where propiconazole is not approved; additional declaration: "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".

OR

iii) 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 section 2.3.2 "Treatment and Testing of the Consignment".

h. Conditions for *Phytophthora ramorum* (section 2.2.1.11)
Note: Only applies to the following species and cultivars: *Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica

B. For Non-dormant Cuttings
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ralstonia pseudosolanacearum*
One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

c. Conditions for viruses

i) Additional Declaration: "[*Virus name*] is absent/not known to occur in _____ [name of country]".

OR

ii) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

d. Conditions for *Grapevine Pinot gris virus*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The *Rosa* plants in this consignment were produced in a 'pest free area' for *Grapevine Pinot gris virus*".

OR

ii) "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for *Grapevine Pinot gris virus*".

e. Conditions for phytoplasmas

Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

f. Conditions for Pucciniales

i) Additional declaration: "The plants have been dipped in propiconazole at the rate of 5g a.i. per 10 litres of water".

OR

ii) For countries where propiconazole is not approved; additional declaration: "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".

OR

iii) 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 section 2.3.2 "Treatment and Testing of the Consignment".

g. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

Note: Only applies to the following species and cultivars: *Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica

C. For Dormant Cuttings

PEQ: Level 2

Minimum Period: 6 months

a. Conditions for *Ralstonia pseudosolanacearum*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

c. Conditions for viruses

i) Additional Declaration: "[*Virus name*] is absent/not known to occur in _____[name of country]".

OR

ii) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

d. Conditions for *Grapevine Pinot gris virus*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The *Rosa* plants in this consignment were produced in a 'pest free area' for *Grapevine Pinot gris virus*".

OR

ii) "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for *Grapevine Pinot gris virus*".

e. Conditions for phytoplasmas:
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

f. Conditions for *Phytophthora ramorum* (section 2.2.1.11)
Note: Only applies to the following species and cultivars: *Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ralstonia pseudosolanacearum*
One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert plant species] plants were sourced from a 'pest free area', free from *Ralstonia pseudosolanacearum*".

OR

ii) "The [insert plant species] plants have been sourced from a 'pest free place of production', where parent plants were tested according to an NPPO approved methodology and found free from *Ralstonia pseudosolanacearum*".

b. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)

c. Conditions for viruses

i) Additional Declaration: "[*Virus name*] is absent/not known to occur in _____[name of country]".

OR

ii) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

d. Conditions for *Grapevine Pinot gris virus*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The *Rosa* plants in this consignment were produced in a 'pest free area' for *Grapevine Pinot gris virus*".

OR

ii) "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for *Grapevine Pinot gris virus*".

E. For Whole Plants imported into a level 3A PEQ facility

Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum.*

PEQ: Level 3A
Minimum Period: 6 months

a. Conditions for *Ralstonia pseduosolanacearum*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

c. Conditions for *Phellinus noxius* (section 2.2.1.13)

d. Conditions for viruses

i) Additional Declaration: "[*Virus name*] is absent/not known to occur in _____[name of country]".

OR

ii) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

e. Conditions for *Grapevine Pinot gris virus*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The *Rosa* plants in this consignment were produced in a 'pest free area' for *Grapevine Pinot gris virus*".

OR

ii) "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for *Grapevine Pinot gris virus*".

f. Conditions for phytoplasmas

Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

g. Conditions for Pucciniales

i) Additional Declaration: "The plants have been dipped in propiconazole at the rate of 5g a.i. per 10 litres of water".

OR

ii) For countries where propiconazole is not approved; additional declaration: "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".

OR

iii) 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 section 2.3.2 "Treatment and Testing of the Consignment".

h. Conditions for *Phytophthora ramorum* (section 2.2.1.11)
Note: Only applies to the following species and cultivars: *Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica

F. For Non-dormant Cuttings or Dormant Cuttings imported into a level 3A PEQ facility

Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum.*

PEQ: Level 3A
Minimum Period: 6 months

a. Conditions for *Ralstonia pseduosolanacearum*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

c. Conditions for viruses

i) Additional Declaration: "[*Virus name*] is absent/not known to occur in _____[name of country]".

OR

ii) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

d. Conditions for *Grapevine Pinot gris virus*
One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The *Rosa* plants in this consignment were produced in a 'pest free area' for *Grapevine Pinot gris virus*".

OR

ii) "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for *Grapevine Pinot gris virus*".

f. Conditions for phytoplasmas

Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

g. Conditions for Pucciniales
Note: Only applies to non-dormant cuttings

i) Additional Declaration: "The plants have been dipped in propiconazole at the rate of 5g a.i. per 10 litres of water".

OR

ii) For countries where propiconazole is not approved; additional declaration: "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".

OR

iii) 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 section 2.3.2 "Treatment and Testing of the Consignment".

h. Conditions for *Phytophthora ramorum* (section 2.2.1.11)
Note: Only applies to the following species and cultivars: *Rosa gymnocarpa*, *Rosa rugosa*, *Rosa sempervirens*, *Rosa* cultivar Pink Meidiland, *Rosa* cultivar Pink Sevillana, *Rosa* cultivar Royal Bonica

G. For Tissue cultures imported into a level 3A PEQ facility

Guidance for importers: This option is for importers that have been unsuccessful at securing a PFA or PFPP declaration for *Ralstonia pseudosolanacearum.*

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3A
Minimum Period: 6 months

a. Conditions for *Ralstonia pseduosolanacearum*
Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

b. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)

c. Conditions for viruses

i) Additional Declaration: "[*Virus name*] is absent/not known to occur in _____[name of country]".

OR

ii) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Rosa*".

d. Conditions for *Grapevine Pinot gris virus*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The *Rosa* plants in this consignment were produced in a 'pest free area' for *Grapevine Pinot gris virus*".

OR

ii) "The *Rosa* plants in this consignment were produced in a 'pest free place of production' for *Grapevine Pinot gris virus*".

Inspection, Testing and Treatment Requirements for *Rosa*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Fungi		
Phellinus noxius	Refer to section 2.2.1.13 "Measures for *Phellinus noxius*"	Applies to whole plants only
Pucciniales	Treatment; refer to part A and B of the *Rosa* schedule	Applies to whole plants and non-dormant cuttings only
Bacteria		
Ralstonia pseudosolanacearum	Growing season inspection in PEQ for symptom expression **AND** plating on selective media **OR** PCR	Applies to *Rosa* whole plants, cuttings, and tissue culture imported into a level 3A PEQ facility
Xylella fastidiosa	Refer to section 2.2.1.12 "Measures for *Xylella fastidiosa*"	Applies to whole plants and cuttings only. Testing requirements for *Xylella fastidiosa* are identified in section 2.2.1.12.
	Refer to section 2.2.2.5 "Measures for *Xylella fastidiosa* on tissue culture"	Applies to tissue culture only. Testing requirements for *Xylella fastidiosa* are identified in section 2.2.2.5.
Viruses		
Blackberry chlorotic ringspot virus	PCR	Applies to whole plants, cuttings, and tissue culture
Raspberry ringspot virus (strains not in New Zealand)	PCR	Applies to whole plants, cuttings, and tissue culture
Rose rosette virus	PCR	Applies to whole plants, cuttings, and tissue culture
Phytoplasmas	Nested or real-time PCR using universal phytoplasma primers	Applies to whole plants, cuttings, and tissue culture

Notes:

1. The unit for testing is defined in section 2.3.2.1.
2. **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.
3. **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.

Rubus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Rubus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Rubus* nursery stock approved for entry into New Zealand

Cuttings (runner tips and stem cuttings only); Plants in tissue culture

Rubus can be imported into Level 2 post entry quarantine from MPI-approved facilities, or into Level 3B post entry quarantine from non-approved facilities.

2. Pests of *Rubus*

Refer to the pest list.

3. Entry conditions for:

3.1 *Rubus* cuttings and tissue culture from offshore MPI-approved facilities in any country

An offshore approved facility is a facility that has been approved to the Administrative Standard: Standard for Offshore Facilities Holding and Testing Plants for Planting to undertake phytosanitary activities. For *Rubus*, the approved facility operator must also have an agreement with MPI on the phytosanitary measures to be undertaken for *Rubus*.

(i) <u>*Documentation*</u>

Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Rubus* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) <u>*Phytosanitary requirements*</u>

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

The *Rubus* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  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 facility].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.

(iii) *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 [cuttings only] and by providing the following additional declarations to the phytosanitary certificate:

"The *Rubus* cuttings / plants in tissue culture [choose ONE option] 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 facility].
  AND
- held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

(v) *Post-entry quarantine*
PEQ: All *Rubus* nursery stock must be imported under permit into post-entry quarantine in a Level 2 greenhouse facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.
Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 6 months (active continuous growth) in post-entry quarantine and will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer. Six months is an indicative minimum quarantine period and this period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

3.2 *Rubus* cuttings and tissue culture from non-approved facilities in any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Rubus* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities required by MPI have been undertaken.

The *Rubus* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the preshipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section [cuttings only]. No additional declarations are required.

(iv) *Post-entry quarantine*
PEQ: All *Rubus* nursery stock must be imported under permit into post-entry quarantine in a Level 3B greenhouse facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.
Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 16 months (cuttings) in post-entry quarantine. Tissue cultures must be deflasked, and the deflasked plant material grown in a PEQ greenhouse during the quarantine period. During this time, imported material will be inspected, treated and/or tested for regulated pests as specified in the "Inspection, Testing and Treatment Requirements for *Rubus*", at the expense of the importer. These times are indicative minimum quarantine periods and may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *Rubus*

REGULATED PESTS (actionable)

Insects	
Insecta	
Coleoptera	
Attelabidae	
Rhynchites germanicus	strawberry rhynchites
Buprestidae	
Agrilus aurichalceus	raspberry buprestid
Agrilus rubicola	raspberry buprestid
Agrilus ruficollis	red-necked cane borer
Byturidae	
Byturus ochraceus	raspberry beetle
Byturus rubi	eastern raspberry fruitworm
Byturus tomentosus	raspberry beetle
Byturus unicolor	raspberry fruitworm
Byturus urbanus	raspberry beetle
Cerambycidae	
Coreus marginatus	longhorn beetle
Oberea bimaculata	raspberry caneborer
Chrysomelidae	
Batophila aerata	raspberry flea beetle
Batophila rubi	raspberry flea beetle
Brachypnoea exilis grita	flea beetle
Nodonota margaretae	leaf beetle
Curculionidae	
Anthonomus rubi	apple blossom weevil
Anthonomus signatus	blossom weevil
Merhynchites bicolor	rose curculio
Merhynchites wickhami	curculio
Nemocestes incomptus	strawberry root weevil
Otiorhynchus clavipes	red-legged weevil
Otiorhynchus singularis	clay covered weevil
Rhynchaenus fagi	strawberry weevil
Scleropterus verecundus	weevil
Nitidulidae	
Meligethes hebes	sap beetle
Scarabaeidae	
Cetonia aurata pisana	scarabaeid beetle
Cotinis nitida	green June beetle
Macrodactylus subspinosus	rose chafer
Phyllopertha horticola	garden chafer
Popillia japonica	Japanese beetle
Diptera	
Agromyzidae	
Agromyza spiraeae	rose leafminer
Anthomyiidae	
Pegomya rubivora	raspberry cane maggot
Cecidomyiidae	
Contarinia agrimoniae	midge
Contarinia rubicola	blackberry flower midge
Dasineura plicatrix	blackberry leaf midge
Lasioptera rubi	raspberry gall midge
Resseliella theobaldi	raspberry midge
Hemiptera	
Anthocoridae	
Orius vicinus	raspberry bug

Miridae	
Lygocoris pabulinus	common green caspid
Lygus lineolaris	tarnished plant bug
Macrolophus rubi	mirid
Psallus variabilis	mirid
Pentatomidae	
Dolycoris baccarum	stink bug
Pentatoma rufipes	forest bug
Homoptera	
Aetalionidae	
Aetalion reticulatum	-
Aphididae	
Amphorophora agathonica	strawberry aphid
Amphorophora idaei	large raspberry aphid
Amphorophora rubitoxica	aphid
Aphis rubicola [vect.]	raspberry aphid
Aphis ruborum	permanent blackberry aphid
Macrosiphum funestum	rose aphid
Matsumuraja hirakurensis	raspberry aphid
Cicadellidae	
Dikrella californica	blueberry leafhopper
Dikrella cruentata	leafhopper
Edwardsiana rosae	rose leafhopper
Erythroneura rubiphylla	leafhopper
Macropsis fulcatus	leafhopper
Macropsis fuscula	boysenberry leafhopper
Metascarta impressifrons	leafhopper
Typhlocyba spp.	rubus leafhoppers
Issidae	
Mycterodus serbicus	plant bug
Psyllidae	
Trioza tripunctata	blackberry psyllid
Trioza trisignata	psyllid
Hymenoptera	
Cephidae	
Hartigia albomaculata	sawfly borer
Cynipidae	
Diastrophus spp.	stem gall cynipids
Pamphilidae	
Pamphilius sitkensis	sawfly
Pergidae	
Philomastix macleaii	bramble sawfly
Tenthredinidae	
Allantus cinctus	banded rose sawfly
Emphytus calceatus	sawfly
Empria tridens	raspberry sawfly
Metallus pumilus	raspberry leaf-mining sawfly
Metallus rohweri	raspberry leafmining sawflies
Metallus rubi	blackberry leafminer
Monophadnoides geniculatus	raspberry sawfly
Perineura rubi	sawfly
Sterictiphora furcata	sawfly
Lepidoptera	
Geometridae	
Itame wauaria	v-moth
Operophtera bruceata	Bruce spanworm
Operophtera brumata	European winter moth
Hepialidae	
Hepialus humuli	ghost swift moth
Incurvariidae	

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

Phyllocoptes gibbosus	eriophyid mite
Phyllocoptes gracilis	raspberry mite
Phyllocoptes rubi	eriophyid mite
Eupodidae	
Neotetranychus rubi	raspberry mite
Tetranychidae	
Amphitetranychus viennensis	hawthorn spider mite
Nematodes	
Adenophorea	
Dorylaimida	
Longidoridae	
Xiphinema bakeri	dagger nematode
Xiphinema barense	dagger nematode
Secernentea	
Tylenchida	
Criconematidae	
Criconemella axestis	-
Criconemella curvata	ring nematode
Criconemella denoudeni	-
Criconemella ornata	ring nematode
Criconemella sphaerocephala	ring nematode
Criconemella xenoplax	ring nematode
Dolichodoridae	
Tylenchorhynchus claytoni	tobacco stunt nematode
Hoplolaimidae	
Helicotylenchus platyurus	-
Hoplolaimus magnistylus	-
Scutellonema bradys	yam nematode
Pratylenchidae	
Hirschmanniella oryzae	rice root nematode
Fungi	
Ascomycota: Ascomycetes	
Diaporthales	
Valsaceae	
Gnomonia rostellata	-
Gnomonia rubi (anamorph Gloeosporium sp.)	cane canker, dieback
Gnomonia setacea	cane canker, dieback
Dothideales	
Leptosphaeriaceae	
Leptosphaeria thomasiana	cane blight
Melanconidaceae	
Sydowiella depressula	-
Mycosphaerellaceae	
Mycosphaerella confusa (anamorph Pseudocercospora rubi)	cercospora leaf spot
Mycosphaerella ligea	cane & leaf spot
Mycosphaerella rubi (anamorph Septoria rubi)	cane & leaf spot
Sphaerulina rubi (anamorph Cylindrosporium rubi)	-
Helotiales	
Dermateaceae	
Pyrenopeziza rubi	cane spot
Sclerotiniaceae	
Monilinia fructigena (anamorph Monilia fructigena)	brown rot
Meliolales	
Meliolaceae	
Appendiculella calstroma	black mildew
Unknown Ascomycetes	
-	
Hormotheca rubicola	-

Basidiomycota: Basidiomycetes	
Agaricales	
Tricholomataceae	
Armillaria gallica	armillaria root rot
Armillaria mellea (anamorph Rhizomorpha subcorticalis)	shoestring root rot
Armillaria ostoyae	armillaria root rot
Russulales	
Lachnocladiaceae	
Scytinostroma galactinum	Scytinostroma galactinum
Unknown Basidiomycetes	
Gerwasia epiphylla	-
Basidiomycota: Urediniomycetes	
Stereales	
Sistotremataceae	
Phymatotrichopsis omnivora	Texas root rot
Uredinales	
Phragmidiaceae	
Arthuriomyces peckianus	orange rust
Gymnoconia nitens	rust
Hamaspora longissima	sub-tropical rust
Phragmidium alaskanum	-
Phragmidium bulbosum	rust
Phragmidium occidentale	-
Pucciniastraceae	
Pucciniastrum americanum	late leaf rust
Pucciniastrum arcticum	-
Mitosporic Fungi (Coelomycetes)	
Hapalosphaeria deformans	anther blight
Macrophoma rubi	-
Marssonina potentillae	leaf scorch
Phyllosticta carpogena	-
Mitosporic Fungi (Hyphomycetes)	
Fusicladium grayianum	-
Passalora monrosii	-
Pseudocercospora heteromalla	-
Pseudocercospora rubicola	-
Verticillium albo-atrum [severe strain]	verticillium wilt
Zygomycota: Zygomycetes	
Mucorales	
Mucoraceae	
Rhizopus sexualis	soft rot
Chromista	
Oomycota	
Pythiaceae	
Phytophthora idaei	-
Phytophthora ramorum	sudden oak death
Phytophthora rubi	root rot
Bacteria	
-	
-	
Enterobacteriaceae	
Erwinia amylovora f.sp. *rubi*	
Rhizobiaceae	
Agrobacterium rubi	cane gall
Xanthomonadaceae	
Xylella fastidiosa	Pierce's disease

Viruses

-

-

-

Blackberry calico virus -
Blackberry chlorotic ringspot virus -
Blackberry virus Y -
Blackberry yellow vein associated virus -
Cherry rasp leaf virus -
Hawaiian rubus leaf curl virus -
Raspberry latent virus
Raspberry leaf curl virus -
Raspberry ringspot virus [strains not in New Zealand] -
Rubus chlorotic mottle virus -
Rubus yellow net virus -
Tobacco necrosis virus [strains not in New Zealand] -
Tomato ringspot virus -

Phytoplasmas

-

-

-

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

Disease of unknown aetiology

-

-

-

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

Inspection, Testing and Treatment Requirements for *Rubus*

ORGANISM TYPES	MPI-ACCEPTED METHODS
Mites	Visual inspection **AND** approved miticide treatments as described in the section 2.2.1.6 of the Basic conditions [cuttings only] **or** binocular microscope inspection in PEQ [plants in tissue culture only]
Fungi	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post entry quarantine facility. Growing season inspection in PEQ for symptom expression
Chromista	Growing season inspection in PEQ for symptom expression
Bacteria	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post entry quarantine facility.
Erwinia amylovora f. sp. *rubi*	Growing season inspection for symptom expression **AND** PCR
Agrobacterium rubi	Growing season inspection for symptom expression
Xylella fastidiosa	Growing season inspection for symptom expression **AND** PCR
Viruses	
Blackberry calico virus	Country freedom **OR** PCR
Blackberry chlorotic ringspot virus	Country freedom **OR** PCR
Blackberry virus Y	Country freedom **OR** RT-PCR using BVY-specific primers
Blackberry yellow vein associated virus	Country freedom **OR** PCR
Cherry rasp leaf virus	Country freedom **OR** ELISA **or** PCR
Hawaiian rubus leaf curl virus	Country freedom **OR** Growing season inspection for symptom expression
Raspberry latent virus	Country freedom **OR** PCR
Raspberry leaf curl virus	Country freedom **OR** PCR
Raspberry ringspot virus [strains not in New Zealand]	Country freedom **OR** ELISA **or** PCR
Rubus chlorotic mottle virus	Country freedom **OR** PCR
Rubus yellow net virus	Country freedom **OR** PCR
Tobacco necrosis virus [strains not in New Zealand]	Country freedom **OR** PCR
Tomato ringspot virus	Country freedom **OR** ELISA **or** PCR
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	
Alpine mosaic agent	Country freedom **OR** Growing season inspection for symptom expression
Black raspberry streak disease	Country freedom **OR** Growing season inspection for symptom expression
Raspberry chlorotic net disease	Country freedom **OR** Growing season inspection for symptom expression

Notes:

1. **Country freedom** for regulated viruses, diseases of unknown aetiology, and phytoplasmas will only be accepted when material is sourced from an MPI-approved offshore facility. Country freedom must be endorsed by the exporting NPPO, and must be included in the agreement between MPI and the approved offshore facility.

2. The **unit for testing** is defined in section 2.3.2.1.
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. Ideally positive internal control primers and a negative plant control should also be used in PCR 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.
10. **Other internationally recognised testing methods** may be accepted by MPI with prior notification.

Salix

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Salix*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Erwinia salicis*, *Melampsora* spp., *Phellinus noxius*, *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

c. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Salix babylonica*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Subject to examination at a transitional facility for the identification of organisms approved to facility standard 155.04.03, at the importers expense, prior to release to the importer.

Sandersonia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Sandersonia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Sandersonia* nursery stock approved for entry into New Zealand

Dormant bulbs
Plants in tissue culture

2. Pests of *Sandersonia*

Refer to the pest list.

3. Entry conditions for:

3.1 *Sandersonia* dormant bulbs from any country

(i) <u>*Documentation*</u>

Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) <u>*Phytosanitary requirements*</u>

Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.
The *Sandersonia* dormant bulbs 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.

(iii) <u>*Additional declarations to the phytosanitary certificate*</u>

No additional declarations are required.

3.2 *Sandersonia* plants in tissue culture from any country

(i) <u>*Documentation*</u>

Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) <u>*Special tissue culture media requirements*</u>

The tissue culture media must not contain charcoal.

(iii) <u>*Phytosanitary requirements*</u>

Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.
The *Sandersonia* plants in tissue culture have been:

inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.

(iv) *Additional declarations to the phytosanitary certificate*
No additional declarations are required.

Solanum

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Solanum*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Columnea latent viroid*, *Potato spindle tuber viroid*, *Tomato apical stunt viroid*, *Tomato chlorotic dwarf viroid*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants and Cuttings
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Columnea latent viroid*

Note: Only applies to the following species: *Brunfelsia undulata*, *Gloxinia gymnostoma* and *Nematanthus wettsteinii*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements".

b. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements".

c. Conditions for *Tomato apical stunt viroid*

Note: Only applies to the *Cestrum* genus

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements".

d. Conditions for *Tomato chlorotic dwarf viroid*

Note: Only applies to the *Calibrachoa* genus

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements".

B. For Tissue Cultures

As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

PLUS

a. Conditions for *Columnea latent viroid*

Note: Only applies to the following species: *Brunfelsia undulata*, *Gloxinia gymnostoma* and *Nematanthus wettsteinii*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Columnea latent viroid* during the quarantine period.

b. Conditions for *Tomato apical stunt viroid*

Note: Only applies to the *Cestrum* genus

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Tomato apical stunt viroid* during the quarantine period.

c. Conditions for *Potato spindle tuber viroid*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Potato spindle tuber viroid* during the quarantine period.

d. Conditions for *Tomato chlorotic dwarf viroid*

Note: Only applies to the *Calibrachoa* genus

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements".

Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Tomato chlorotic dwarf viroid* during the quarantine period.

Inspection, Testing and Treatment Requirements for *Solanum*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Viroids		
Columnea latent viroid	PCR based methods	Only applies to *Brunfelsia undulata*, *Gloxinia gymnostoma* and *Nematanthus wettsteinii* whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility
Potato spindle tuber viroid	PCR based methods	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility
Tomato apical stunt viroid	PCR based methods	Only applies to *Cestrum* whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility
Tomato chlorotic dwarf viroid	PCR based methods	Only applies to *Calibrachoa* whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Columnea latent viroid*, *Potato spindle tuber viroid*, *Tomato apical stunt viroid* and *Tomato chlorotic dwarf viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Solanum tuberosum

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Solanum tuberosum*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Solanum tuberosum* nursery stock approved for entry into New Zealand

Plants in tissue culture

Solanum tuberosum can be imported into New Zealand as plants in tissue culture from any country.

2. Pests of *Solanum tuberosum*

Refer to the pest list.

3. Entry conditions for:

3.1 *Solanum tuberosum* plants in tissue culture from offshore MPI-approved facilities in any country

(i) <u>*Documentation*</u>

Import permit is required

Declaration for genetically modified organisms is required: Refer to section 5 of this schedule for details.

Phytosanitary requirements: a completed phytosanitary certificate issued by the exporting country National Plant Protection Organisation (NPPO) must accompany all *Solanum tuberosum* plants in tissue culture exported to New Zealand.

(ii) <u>*Special tissue culture medium requirements*</u>

The tissue culture medium must not contain charcoal.

(iii) <u>*Phytosanitary requirements*</u>

Before a phytosanitary certificate is issued, the exporting country national plant protection organisation (NPPO) must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken:

The *Solanum tuberosum* tissue cultures in the consignment have been:

- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the MPI-approved facility.
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.

(iv) <u>*Additional declarations to the phytosanitary certificate*</u>

"The *Solanum tuberosum* tissue cultures in this consignment have been:

- held and tested for/classified free from specified regulated pests as required in the agreement between MPI and the [name of MPI-approved 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."

(v) *Inspection, testing and treatments of the consignment*
For all imported *Solanum tuberosum* tissue cultures, MPI reserves the right to validate all testing and audit all treatment processes that are undertaken by a facility approved by MPI for testing/treatment purposes. This applies to MPI-approved facilities offshore and within New Zealand. Audits will be conducted on a regular basis and at the expense of the importer.

(vi) *Post-entry quarantine*
PEQ: Not required

3.2 *Solanum tuberosum* plants in tissue culture from non-approved facilities in any country
(i) *Documentation*
Import permit is required
Declaration for genetically modified organisms is required: Refer to section 5 for details.
Phytosanitary certificate: a completed phytosanitary certificate issued by the exporting country National Plant Protection Organisation (NPPO) must accompany all *Solanum tuberosum* plants in tissue culture exported to New Zealand.

(ii) *Special tissue culture medium requirements*
The tissue culture medium must not contain charcoal.

(iii) *Phytosanitary requirements*
The exporting country NPPO must be satisfied that the requirements of the model phytosanitary certificate have been met before the phytosanitary certificate is issued.

(iv) *Additional declarations to the phytosanitary certificate*
There are no additional declarations to the phytosanitary certificate.

(v) *Inspection, testing and treatments of the consignment*
Upon arrival, the inspection, treatment and testing requirements for specified pests must be undertaken at a Level 3B post entry quarantine facility. Refer to *Solanum tuberosum* Inspection and Testing Requirements following the *Solanum tuberosum* pest list.

(vi) *Post-entry quarantine*
PEQ: Level 3B
Quarantine Period: Tissue cultures must be deflasked into the greenhouse for the quarantine period. 3 months is an indicative minimum quarantine period; this is the time required to complete inspections to detect regulated pests. The quarantine period may be extended if material is slow growing, pests are detected or additional treatments/tests are required.

4. Validation of test results and audit of treatments at MPI-approved laboratories or facilities

For all imported *Solanum tuberosum* plants in tissue culture, MPI reserves the right to validate all testing and audit all treatment processes that are undertaken by a facility approved by MPI for testing/treatment purposes. This applies to MPI-approved facilities offshore and within New Zealand. Audits will be conducted on a regular basis and at the expense of the importer.

5. Declaration for genetically modified organisms

All import permit applications must include a signed declaration that the *Solanum tuberosum* plants in tissue culture are not genetically modified organisms, as defined by the New Zealand Hazardous Substances and New Organisms Act 1996 (HSNO Act, 1996).
For a copy of the declaration form refer to the end of this schedule.

Pest List for *Solanum tuberosum*

REGULATED PESTS (actionable)

Mite	
Arachnida	
Acarina	
Tetranychidae	
Tetranychus evansi	tetranychid mite
Fungi	
Chytridiomycota	
Chytridiales	
Synchytriaceae	
Synchytrium endobioticum [official control]	potato wart
Mitosporic Fungi (Coelomycetes)	
Sphaeropsidales	
Sphaerioidaceae	
Phoma andigena var. *andina*	phoma leaf spot
Mitosporic Fungi	
Unknown Mitosporic Fungi	
Unknown Mitosporic Fungi	
Aecidium cantensis	deforming rust
Oomycota	
Peronosporales	
Peronosporaceae	
Phytophthora capsici	fruit rot of peppers
Phytophthora infestans [A2 mating strain]	late blight
Phytophthora palmivora	black rot
Bacteria	
Burkholderiaceae	
Ralstonia pseudosolanacearum (formerly *R. solanacearum* race 1)	bacterial wilt of potatoes
Corynebacteriaceae	
Clavibacter michiganensis subsp. *sepedonicus*	potato ring rot
Enterobacteriaceae	
Dickeya chrysanthemi pv. *chrysanthemi* (syn. *Erwinia chrysanthemi* pv. *chrysanthemi*)	bacterial soft rot
Dickeya chrysanthemi pv. *parthenii* (syn. *Erwinia chrysanthemi* pv. *parthenii*)	-
Dickeya paradisiaca (syn. *Erwinia chrysanthemi* pv. *paradisiaca*)	-
Dickeya solani	-
Pectobacterium betavasculorum (syn. *Erwinia carotovora* subsp. *betavasculorum*)	bacterial sudden yellows death
Pectobacterium polaris	
Pseudomonadaceae	
Xylella fastidiosa	
Phyllobacteriaceae	
'Candidatus Liberibacter solanacearum' haplotype B	
Viroids	
*Columnea latent viroid**	-
*Pepper chat fruit viroid**	
Potato spindle tuber viroid [transient]	-
*Tomato planta macho viroid**	-

Viruses

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

Phytoplasmas

Columbia basin purple top phytoplasma	-
Eggplant little leaf phytoplasma	
Peanut witches' broom*	-
Potato marginal flavescence	-
Potato phyllody phytoplasma	-
Potato purple-top roll phytoplasma	-
Potato purple-top wilt phytoplasma	-
Potato round leaf phytoplasma	-
Potato stolbur phytoplasma	-
Potato witches' broom phytoplasma	-
Saq'O disease	-

Note: * Pathogens that infect *Solanum tuberosum* experimentally (i.e. not yet found to infect potato naturally under field conditions).

Inspection and Testing Requirements for *Solanum tuberosum*

ORGANISM TYPES	MPI-ACCEPTED METHODS	Comments
Mites	Binocular microscope inspection.	
Fungi		
Aecidium cantensis	Growing season inspection in PEQ for symptom expression	
Phoma andigena var. *andina*	Growing season inspection in PEQ for symptom expression	
Synchytrium endobioticum [official control]	Growing season inspection in PEQ for symptom expression	*S. endobioticum* cannot be cultured. It is identified by microscopic examination of affected plants. This organism belongs to the Myxomycetes in the Kingdom Protozoa.
Oomycetes		
Phytophthora capsici	Growing season inspection in PEQ for symptom expression	
Phytophthora infestans (A2 mating strain)	Growing season inspection in PEQ for symptom expression	
Phytophthora palmivora	Growing season inspection in PEQ for symptom expression	
Bacteria		
'*Candidatus* Liberibacter solanacearum' haplotype B	Growing season inspection in PEQ for symptom expression AND PCR	
Clavibacter michiganensis subsp. *sepedonicus*	Growing season inspection in PEQ for symptom expression **AND** • Immunofluorescence **or** • ELISA **AND** grow plantlets on Murashige and Skoog medium **or** • PCR **AND** grow plantlets on Murashige and Skoog medium	
Dickeya chrysanthemi pv. *chrysanthemi*	Growing season inspection in PEQ for symptom expression **AND** plating on selective pectate media **or** PCR	
Dickeya chrysanthemi pv. *parthenii*	Growing season inspection in PEQ for symptom expression **AND** plating on selective pectate media **or** PCR	
Dickeya paradisiaca	Growing season inspection in PEQ for symptom expression **AND** plating on selective pectate media **or** PCR	
Dickeya solani	Growing season inspection in PEQ for symptom expression **AND** plating on selective pectate media **or** PCR	
Pectobacterium betavasculorum	Growing season inspection in PEQ for symptom expression **AND** plating on selective pectate media **or** PCR	
Pectobacterium polaris	Growing season inspection in PEQ for symptom expression **AND** plating on selective pectate media **or** PCR	
Ralstonia pseudosolanacearum (formerly *R. solanacearum* race 1)	Growing season inspection in PEQ for symptom expression, **AND** plating on selective media **OR** PCR	

ORGANISM TYPES	MPI-ACCEPTED METHODS	Comments
Xylella fastidiosa	Growing season inspection in PEQ for symptom expression **AND** 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 **or** PCR	ELISA must detect the oca strain
Andean potato latent tymovirus	ELISA **or** PCR	
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	Not fully characterised.
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	
Potato yellow vein crinivirus	PCR **or** hybridisation	
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 necrosis virus A Tobacco necrosis virus B
Tobacco rattle tobravirus [strains not in New Zealand]	PCR	Serological detection is unreliable because of diversity in the particle proteins of different isolates.
Tobacco streak ilarvirus [strains not in New Zealand]	PCR	Potato strain SB10 infects potato naturally.
Tomato infectious chlorosis crinivirus	PCR	

ORGANISM TYPES	MPI-ACCEPTED METHODS	Comments
Tomato leaf curl begomovirus – New Delhi	PCR	Potato leaf curl is a new disease in northern India caused by a strain of Tomato leaf curl new Delhi virus.
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 or real-time PCR using universal phytoplasma primers	
Eggplant little leaf phytoplasma	Nested or real-time PCR using universal phytoplasma primers	
Potato marginal flavescence	Nested or real-time PCR using universal phytoplasma primers	
Potato phyllody phytoplasma	Nested or real-time PCR using universal phytoplasma primers	
Potato purple-top roll phytoplasma	Nested or real-time PCR using universal phytoplasma primers	
Potato purple-top wilt phytoplasma	Nested or real-time PCR using universal phytoplasma primers	
Potato round leaf phytoplasma	Nested or real-time PCR using universal phytoplasma primers	
Potato stolbur phytoplasma	Nested or real-time PCR using universal phytoplasma primers	
Potato witches' broom phytoplasma	Nested or real-time PCR using universal phytoplasma primers	
Saq'O disease	Growing season inspection in PEQ for symptom expression	An unknown phytoplasma and a native strain of Potato leafroll virus (PLRV) are associated with this disease. No appropriate detection methods are currently available for the disease-causing agent.

Viroids, viruses and phytoplasmas infecting potato experimentally

Note: * 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.

ORGANISM TYPES	Comments
Columnea latent viroid*	No evidence that this viroid infects potato naturally.
Pepper chat fruit viroid	No evidence that this viroid infects potato naturally.
Tomato planta macho viroid*	No evidence that this viroid infects potato naturally (Galindo *et al.* 1982).
Abutilon mosaic begomovirus*	Tests that would detect this virus are already being conducted elsewhere in this schedule e.g. the universal PCR or ELISA tests for begomoviruses.

Cassia mild mosaic carlavirus*	Tests that would detect this virus are already being conducted elsewhere in this schedule, e.g. the universal PCR for carlaviruses.
Henbane mosaic potyvirus*	Tests that would detect this virus are already being conducted elsewhere in this schedule, e.g. the general potyvirus ELISA or PCR using universal potyvirus primers.
Tobacco necrotic dwarf luteovirus*	No appropriate test available.
Tomato leaf curl begomovirus - Australia*	Tests that would detect this virus are already being conducted elsewhere in this schedule e.g. the universal PCR or ELISA for begomovirus.
Tomato yellow vein streak begomovirus*	Tests that would detect this virus are already being conducted elsewhere in this schedule, e.g. the universal PCR or ELISA for begomovirus.
Peanut witches' broom*	Tests that would detect this phytoplasma are already being conducted elsewhere in this schedule, e.g. the universal PCR for phytoplasma.

Notes:

1. The unit for testing is defined in section 2.3.2.1.
2. Plantlets in growth medium must be de-flasked and grown in quarantine for the completion of pre-determined 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. Ideally positive internal controls and a negative plant control should also be used in PCR tests.
6. Inspect *Solanum tuberosum* plants for signs of pest and disease at least once per week.
7. With prior notification, MPI will accept other internationally recognised testing methods.

Declaration Form

To be completed and signed by the exporter and importer.

As defined by the New Zealand HSNO Act 1996, Genetically modified organism means, unless expressly provided otherwise by regulations, 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.

Note that under the Hazardous Substances and New Organisms (HSNO) Act 1996. The import and release of any genetically modified crop without approval from the Environmental Protection Authority (EPA) it is unlawful.

I, (**Exporter**'s name and address)

declare that according to the requirements set out in the Nursery Stock Import Health Standard (MPI Import Health Standard: 155.02.06: Importation of Nursery Stock - https://www.biosecurity.govt.nz/dmsdocument/1152-Nursery-Stock-Import-Health-Standard),

(Insert species name and lot/line number or unique identifier as stated on all the other import documentation)

was produced neither "from" nor "by" genetically modified crops.

I undertake to inform immediately the importer and the Ministry for Primary Industries, MPI, New Zealand of any information that can undermine the accuracy of this declaration.

Note that MPI may request evidence as to how production, handling and transport of the nursery stock is performed in the field or require and audit as a way to provide quality to the production system.

I, (**Importer**'s name and address)

declare to the best of my knowledge that according to the requirements set out in the Nursery Stock Import Health Standard (MPI Import Health Standard: 155.02.06: Importation of Nursery Stock - https://www.biosecurity.govt.nz/dmsdocument/1152-Nursery-Stock-Import-Health-Standard),

(Insert species name and lot/line number or unique identifier as stated on all the other import documentation)

was produced neither "from" nor "by" genetically modified crops.

Signed by **Exporter** and Company Name (details) and date	Signed by **Importer** and Company Name (details) and date

Warning: Any person who knowingly makes a statement of information or a declaration that is false or misleading in a material particular may on summary conviction, be sentenced to a term of imprisonment and/or fined not exceeding $500,000.00

Solidago

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Solidago*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

Quarantine Pests: Aster yellows phytoplasma, Uredinales, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for Aster yellows phytoplasma

Additional declaration: "Aster yellows phytoplasma is not known to occur in __ [the country or state where the plants were grown] __".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for Aster yellows phytoplasma

Additional declaration**:** "The cultures have been derived from parent stock tested or inspected and found free of Aster yellows phytoplasma".

Syringa

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Syringa*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: Virus & virus-like diseases

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants:

PEQ: Level 2
Minimum Period: 3 months
Additional Declaration: "The plants were inspected during the growing season and no symptoms of viruses or virus-like diseases were detected".

B. For Tissue Cultures:
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2;
PLUS
Additional Declaration:
"The cultures have been derived from parent stock tested and found free of viruses or virus-like diseases".

Tillandsia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Tillandsia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants:
PEQ: Level 2
Minimum Period: 3 months

B. For Tissue Cultures:
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Tricyrtis

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Tricyrtis*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Tetranychus kanzawai*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Tritonia

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Tritonia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Puccinia gladioli*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Puccinia gladioli*

i) "*Puccinia gladioli* is not known to occur in _____[the country or state where the plants were grown]".

OR

ii) "The plants were inspected during the growing season and *Puccinia gladioli* was not detected".

B. For Dormant Bulbs (Corms) 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

OPTION 1:
No import permit is required
PEQ: None
Cleanliness: Bulbs (corms) must be free of leafy coverings.

a. Additional Declaration
"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."

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months
Cleanliness: Bulbs (corms) must be free of leafy coverings.

C. For 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

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months
Cleanliness: Bulbs (corms) must be free of leafy coverings.

a. Additional Declaration
   "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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months
Cleanliness: Bulbs (corms) must be free of leafy coverings.

D. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Tulipa

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Tulipa*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Tulipa* nursery stock approved for entry into New Zealand
Dormant bulbs
Plants in tissue culture

2. Pests of *Tulipa*
Refer to the pest list.

3. Entry conditions for:
3.1 *Tulipa* dormant bulbs from the Netherlands
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Tulipa* dormant bulbs have been:

- produced in accordance with the requirements of the Bloembollenkeuringsdienst (BKD) Class 1 bulb certification scheme.
  AND
- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions 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.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection

Treatment" section, and by providing the following additional declaration to the phytosanitary certificate:

"The *Tulipa* dormant bulbs in this consignment have been:

- produced in accordance with the requirements of the BKD Class 1 bulb certification scheme.
  AND
- 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
- sourced from a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses."

(iv) *Post-entry quarantine*
Post-entry quarantine is not required provided that the above measures have been completed.

3.2 *Tulipa* dormant bulbs from any country other than the Netherlands
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Tulipa* dormant bulbs have been:

- 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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions 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.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection

Treatment" section, and by providing the following additional declaration to the phytosanitary certificate:

"The *Tulipa* dormant bulbs in this consignment have been:

- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- 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
- sourced from a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria and viruses."

(iv) *Post-entry quarantine*
PEQ: Level 1
Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required. Cut flowers may receive biosecurity clearance while the imported plants remain in post-entry quarantine following inspection of the parent plants and with prior approval from an MPI Inspector.

3.3 *Tulipa* plants in tissue culture from any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(iii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.
The *Tulipa* 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
- 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*.

(iv) *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 *Tulipa* 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* and *Tomato bushy stunt virus*."

(iv) *Post-entry quarantine*

Post-entry quarantine is not required provided that the above measures have been completed overseas. Alternatively, the inspection and testing may be completed in post-entry quarantine upon arrival in New Zealand according to the following conditions:

Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.

Import permit: an import permit is required.

PEQ: Level 3B

Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *Tulipa*

REGULATED PESTS (actionable)

Insect	
Insecta	
Diptera	
Anthomyiidae	
Delia antiqua	onion maggot
Homoptera	
Aphididae	
Rhopalosiphoninus staphyleae tulipaellus	tulip leaf aphid
Orthoptera	
Gryllotalpidae	
Gryllotalpa gryllotalpa	mole cricket
Thysanoptera	
Thripidae	
Taeniothrips eucharii	oriental thrips
Mite	
Arachnida	
Acarina	
Eriophyidae	
Aceria tulipae [vector]	wheat curl mite
Nematode	
Adenophorea	
Dorylaimida	
Longidoridae	
Xiphimena coxi	dagger nematode
Trichodoridae	
Paratrichodorus pachydermus [vector]	stubby root nematode
Paratrichodorus teres	stubby root nematode
Trichodorus similis	stubby root nematode
Secernentea	
Tylenchida	
Tylenchidae	
Ditylenchus dipsaci [strains not in New Zealand]	stem and bulb nematode
Fungus	
Ascomycota	
Leotiales	
Sclerotiniaceae	
Sclerotinia bulborum	black slime
Sclerotinia galanthina	bulb rot
Basidiomycota: Ustomycetes	
Ustilaginales	
Ustilaginaceae	
Ustilago tulipae	smut
mitosporic fungi (Agonomycetes)	
Agonomycetales	
unknown Agonomycetales	
Rhizoctonia tuliparum	basal rot
Sclerotium perniciosum	smoulder
Sclerotium wakkeri	blackleg
Bacterium	
Corynebacteriaceae	
Curtobacterium flaccumfaciens pv. *oortii*	yellow pock

Virus

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

Ulmus

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Ulmus*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Ceratocystis fimbriata*, Elm mosaic virus, Elm phloem necrosis, *Phellinus noxius*, *Phytophthora ramorum*, *Xylella fastidiosa*

Entry Conditions: **Basic;** with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Ceratocystis fimbriata* (section 2.2.1.8)

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

d. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to the following species: *Ulmus parvifolia*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 3B
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.2.5)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

Vaccinium

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Vaccinium*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.
These conditions do not apply to *Vaccinium macrocarpon.*

1. Type of *Vaccinium* [excluding *Vaccinium macrocarpon*] nursery stock approved for entry into New Zealand

Cuttings (dormant); Plants in tissue culture.

2. Pests of *Vaccinium*

Refer to the pest list.

3. Entry conditions for:

3.1 *Vaccinium* cuttings and tissue culture from offshore MPI-approved facilities in any country

An offshore approved facility is a facility that has been approved to the Administrative Standard: Standard for Offshore Facilities Holding and Testing Plants for Planting to undertake phytosanitary activities. The operator of the approved facility must also have an agreement with MPI on the phytosanitary measures to be undertaken for *Vaccinium*. Refer to the "*Vaccinium* Inspection, Testing and Treatment Requirements".

(i) *Documentation*

Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Vaccinium* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*

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

The *Vaccinium* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  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 facility].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.

(iii) *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 *Vaccinium* cuttings / plants in tissue culture [choose ONE option] 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 facility].
  AND
- held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

(iv) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(v) *Post-entry quarantine*
PEQ: All *Vaccinium* nursery stock must be imported under permit into post-entry quarantine in a level 2 quarantine facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.
Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 6 months in post-entry quarantine and will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer. Six months is an indicative minimum quarantine period and this period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

3.2 *Vaccinium* cuttings from non-approved facilities in any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Vaccinium* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities required by MPI have been undertaken.

The *Vaccinium* cuttings have been:

- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- treated for regulated insects and mites as described in section 2.2.1.6 of the basic conditions within 7 days prior to shipment.
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the preshipment 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.

(iv) *Post-entry quarantine*
PEQ: All *Vaccinium* cuttings must be imported under permit into post-entry quarantine in a level 3B quarantine facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.
Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 16 months in post-entry quarantine. During this time, it will be inspected, treated and/or tested for regulated pests as specified in the "Inspection, Testing and Treatment Requirements for *Vaccinium*", at the expense of the importer. These times are indicative minimum quarantine periods and may be extended if material is slow growing, pests are detected, or treatments/tests are required.

3.3 *Vaccinium* tissue cultures from non-approved facilities in any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Vaccinium* nursery stock exported to New Zealand.
Import permit: an import permit is required.

ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities required by MPI have been undertaken.

The *Vaccinium* plants in tissue culture have been:

- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following certification.
  AND
- [for countries recognised by MPI as free of *Phytophthora ramorum*] have been sourced from a country recognised by MPI as being free from *Phytophthora ramorum*.

Guidance for importers: Freedom from *Phytophthora ramorum* is an optional measure that may be applied to tissue cultures that will undergo quarantine in a level 3A quarantine facility.

(iii) *Additional declarations to the phytosanitary certificate*
The following additional declaration can be included for countries recognised by MPI as being free from *Phytophthora ramorum*:

> "The *Vaccinium* tissue cultures in this consignment have been sourced from a 'pest Free Area' free from *Phytophthora ramorum*".

(iv) *Special tissue culture medium requirements*
The tissue culture medium must not contain charcoal.

(v) *Post-entry quarantine*

PEQ: All *Vaccinium* tissue cultures must be imported into post entry quarantine in a level 3A or level 3B quarantine facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.

Special requirements for plants imported into a level 3A quarantine facility:

- Before plants are deflasked into a level 3A quarantine facility the tissue cultures must be held at a level 3 tissue culture laboratory until the following activities have been completed:
  - Tissue cultures must be held between 17°C and 25°C for a minimum period of four weeks and all plants must be inspected by the MPI inspector for signs or symptoms of *Phytophthora ramorum* prior to deflasking. This inspection will be in addition to growing season inspections which are required in the greenhouse. This is only required for plants which do not have an additional declaration certifying they have been sourced from a country recognised by MPI as being free from *Phytophthora ramorum.*
  - Sub culturing must not occur during this incubation period however plants may be sub-cultured on arrival in New Zealand, prior to commencement of the four-week incubation.
  - Tissue cultures must not be transferred to the level 3A quarantine facility until they have been tested for and found free from *Monilinia vaccinii-corymbosi.*
- Requirements at the level 3A quarantine facility:
  - 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.

Quarantine Period and Inspection, Testing and Treatment Requirements:

The imported tissue culture plants must be deflasked and grown for a minimum period of 9 months in post-entry quarantine. During this time plants will be inspected, treated and/or tested for regulated pests as specified in the "Inspection, Testing and Treatment Requirements for *Vaccinium*", at the expense of the importer. This time is the indicative minimum quarantine period and may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Guidance:
Imports of *Vaccinium* under this section are required to go into level 3B PEQ, unless an importer opts for level 3A. When an importer opts into level 3A PEQ the special requirements for plants imported into a Level 3A quarantine facility must be complied with.

Pest List for *Vaccinium*

REGULATED PESTS (actionable)

Insect	
Insecta	
Coleoptera	
Cerambycidae	
Oberea myops	azalea stem borer
Chrysomelidae	
Altica sylvia	blueberry flea beetle
Rhabdopterus picipes	cranberry rootworm
Curculionidae	
Anthonomus musculus	cranberry weevil
Conotrachelus nenuphar	plum curculio
Pseudanthonomus validus	currant fruit weevil
Scarabaeidae	
Popillia japonica	Japanese beetle
Diptera	
Cecidomyiidae	
Contarinia vaccinii	blueberry tip midge
Tephritidae	
Rhagoletis mendax	blueberry maggot
Hemiptera	
Coreidae	
Veneza phyllopus	leaf-footed bug
Homoptera	
Aphididae	
Illinoia borealis	aphid
Illinoia pepperi	blueberry aphid
Cicadellidae	
Euscelis striatulus	Blunt-nosed leafhopper
Scaphytopius magdalensis	sharpnosed leafhopper
Hymenoptera	
Tenthredinidae	
Caliroa annulipes	sawfly
Neopareophora litura	gooseberry sawfly
Pristiphora idiota	willow redgall sawfly
Pristiphora mollis	-
Lepidoptera	
Arctiidae	
Hyphantria cunea	fall webworm
Geometridae	
Itame ribearia	currant spanworm
Noctuidae	
Acronicta tritona	acronicta caterpillar
Actebia fennica	black army cutworm
Notodontidae	
Datana major	azalea caterpillar
Pyralidae	
Acrobasis vaccinii	cranberry fruitworm
Sphingidae	
Paonias astylus	huckleberry sphinx
Tortricidae	
Archips rosanus	rose leafroller
Argyrotaenia velutinana	red-banded leafroller
Aroga trialbamaculella	leaftier
Cheimophila salicella	European carnation tortrix
Choristoneura hebenstreitella	tortricid

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

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

Phytoplasma

Blueberry stunt phytoplasma	-
Cranberry false blossom phytoplasma	-
Vaccinium witches' broom phytoplasma	-

Disease of unknown aetiology

Blueberry fruit drop disease	-

Inspection, Testing and Treatment Requirements for *Vaccinium*

ORGANISM TYPES	MPI-ACCEPTED METHODS (See notes below)
Fungi	Growing season inspection in PEQ for disease symptom expression
Diaporthe vaccinii	PCR or Plating of twig or leaf material onto suitable isolation medium
Monilinia vaccinii-corymbosi	Growing season inspection in PEQ for disease symptom expression **AND** [for tissue cultures which will be deflasked into a level 3A quarantine facility, option 3.3 of the *Vaccinium* schedule only]; 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 sourced from a country free from *P. ramorum,* and which will be deflasked into a level 3A quarantine facility under option 3.3 of the *Vaccinium* schedule]: Tissue cultures must be held in a level 3 tissue culture facility between 17°C and 25°C for a minimum 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)	Growing season inspection in PEQ for disease symptom expression, **AND** plating on selective media **or** PCR using DNA from plant stem
Xylella fastidiosa	Growing season inspection in PEQ for disease symptom expression **AND** PCR
Viruses	
Blueberry leaf mottle virus	ELISA **or** PCR
Blueberry red ringspot virus (syn. *Cranberry ringspot virus*)	ELISA **or** PCR
Blueberry scorch virus	ELISA **or** PCR
Blueberry shock virus	ELISA **or** PCR
Blueberry shoestring virus	ELISA **or** PCR
Peach rosette mosaic virus	ELISA **or** PCR
Tobacco streak virus [strains not in New Zealand]	ELISA **or** PCR
Tomato ringspot virus	ELISA **or** PCR
Phytoplasmas	
Blueberry stunt phytoplasma	Nested PCR **or** real time PCR using universal phytoplasma primers
Cranberry false blossom phytoplasma	Nested PCR **or** real time PCR using universal phytoplasma primers
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

Notes:

1. The unit for testing is defined in section 2.3.2.1.
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. Ideally positive internal controls and a negative plant control should also be used in PCR 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. Note: plants held in a level 3A quarantine facility under option 3.3 of the IHS must be inspected at least twice per week for the entire quarantine period (including during any periods of dormancy).
6. With prior notification, MPI will accept other internationally recognised testing methods.

Vaccinium macrocarpon

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Vaccinium macrocarpon*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

1. Type of *Vaccinium macrocarpon* nursery stock approved for entry into New Zealand
Cuttings (dormant); Plants in tissue culture

2. Pests of *Vaccinium macrocarpon*
Refer to the pest list.

3. Entry conditions for:

3.1 *Vaccinium macrocarpon* cuttings and tissue culture from offshore MPI-approved facilities in any country
An offshore approved facility is a facility that has been approved to the Administrative Standard: Standard for Offshore Facilities Holding and Testing Plants for Planting to undertake phytosanitary activities. The operator of the approved facility must also have an agreement with MPI on the phytosanitary measures to be undertaken for *Vaccinium macrocarpon*. Refer to the "*Vaccinium macrocarpon* Inspection, Testing and Treatment Requirements".

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Vaccinium macrocarpon* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities required by MPI have been undertaken.

The *Vaccinium macrocarpon* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  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 facility]
  AND

- held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.

(iii) *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 *Vaccinium macrocarpon* cuttings / plants in tissue culture [choose ONE option] 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 facility].
  AND
- held in a manner to ensure infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification."

(iv) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(v) *Post-entry quarantine*
PEQ: All *Vaccinium macrocarpon* nursery stock must be imported under permit into post-entry quarantine in a Level 2 greenhouse facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.
Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of 6 months in post-entry quarantine and will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer. Six months is an indicative minimum quarantine period and this period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

3.2 *Vaccinium macrocarpon* cuttings and tissue culture from non-approved facilities in any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Vaccinium macrocarpon* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the NPPO of the exporting country must be satisfied that the following activities required by MPI have been undertaken.

The *Vaccinium macrocarpon* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  AND

- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *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.

(iv) *Post-entry quarantine*

PEQ: All *Vaccinium macrocarpon* nursery stock must be imported under permit into post-entry quarantine in a Level 3B greenhouse facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.

Quarantine Period and Inspection, Testing and Treatment Requirements: The nursery stock will be grown for a minimum period of either 9 (tissue culture) or 16 months (cuttings) in post-entry quarantine. During this time, it will be inspected, treated and/or tested for regulated pests as specified in the "Inspection, Testing and Treatment Requirements for *Vaccinium macrocarpon*", at the expense of the importer. These times are indicative minimum quarantine periods and may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *Vaccinium macrocarpon*

REGULATED PESTS (actionable)

Insect	
Insecta	
Coleoptera	
Chrysomelidae	
Rhabdopterus picipes	cranberry rootworm
Curculionidae	
Anthonomus musculus	cranberry weevil
Pseudanthonomus validus	currant fruit weevil
Scarabaeidae	
Popillia japonica	Japanese beetle
Diptera	
Tephritidae	
Rhagoletis pomonella	apple maggot fly
Homoptera	
Aphididae	
Aphis vaccinii	blueberry aphid
Illinoia borealis	aphid
Cicadellidae	
Euscelis striatulus	Blunt-nosed leafhopper
Hymenoptera	
Tenthredinidae	
Pristiphora idiota	willow redgall sawfly
Lepidoptera	
Arctiidae	
Hyphantria cunea	fall webworm
Geometridae	
Itame ribearia	currant spanworm
Noctuidae	
Acronicta tritona	acronicta caterpillar
Actebia fennica	black army cutworm
Pyralidae	
Acrobasis vaccinii	cranberry fruitworm
Tortricidae	
Archips rosanus	rose leafroller
Argyrotaenia velutinana	red-banded leafroller
Aroga trialbamaculella	leaftier
Choristoneura hebenstreitella	tortricid
Choristoneura rosaceana	oblique-banded leafroller
Dichomeris vacciniella	leaftier
Thysanoptera	
Thripidae	
Frankliniella vaccinii	blueberry thrips
Mite	
Arachnida	
Acarina	
Eriophyidae	
Acalitus vaccinii	blueberry bud mite
Fungus	
Ascomycota	
Diaporthales	
Valsaceae	
Diaporthe vaccinii (anamorph *Phomopsis vaccinii*)	twig blight
Dothideales	

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

Phytoplasma

Cranberry false blossom phytoplasma -

Inspection, Testing and Treatment Requirements for *Vaccinium macrocarpon*

ORGANISM TYPES	**MPI-ACCEPTED METHODS** (See notes below)
Fungi	Growing season inspection in PEQ for disease symptom expression.
Bacterium	
Agrobacterium rubi	Growing season inspection in PEQ for disease symptom expression.
Xylella fastidiosa	Growing season inspection in PEQ for disease symptom expression **AND** PCR
Virus	
Blueberry scorch virus	ELISA **or** PCR.
Blueberry red ringspot virus (syn. *Cranberry ringspot 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.

Notes:

1. The unit for testing is defined in section 2.3.2.1.
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. Ideally positive internal controls and a negative plant control should also be used in PCR 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.
6. With prior notification, MPI will accept other internationally recognised testing methods.

Verbena

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Verbena*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Tetranychus kanzawai*, *Tomato chlorotic dwarf viroid*, Uredinales, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Tomato chlorotic dwarf viroid*
One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Verbena*".

b. Conditions for Uredinales
Additional declaration: "Rust diseases are not known to occur on _____[the imported genus] in _____[the country in which the plants were grown]".

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Tomato chlorotic dwarf viroid*
One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "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

ii) "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*".

OR

iii) Pre-determined testing in PEQ: refer to "Inspection, Testing and Treatment Requirements for *Verbena*"
Guidance for importers: Tissue culture imported under this option must be imported into a level 2 PEQ greenhouse for a minimum period of 3 months to undergo testing for the presence of *Tomato chlorotic dwarf viroid* during the quarantine period.

b. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Inspection, Testing and Treatment Requirements for *Verbena*

ORGANISM	MPI-ACCEPTED METHODS	Comments
Bacteria		
Xylella fastidiosa	Refer to section 2.2.1.12 "Measures for *Xylella fastidiosa*"	Applies to whole plants, cuttings only. Testing requirements for *Xylella fastidiosa* are identified in section 2.2.1.12
	Refer to section 2.2.2.5 "Measures for *Xylella fastidiosa* on tissue culture"	Applies to tissue culture only. Testing requirements for *Xylella fastidiosa* are identified in section 2.2.2.5
Viroids		
Tomato chlorotic dwarf viroid	PCR based method	Applies to whole plants, cuttings, and tissue culture imported into a level 2 PEQ facility

Guidance for importers: Testing in PEQ for the presence of *Tomato chlorotic dwarf viroid* is only necessary when an importer has been unable to secure one of the alternative declarations.

Veronica (*formerly Hebe*)

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Veronica*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species of the genera listed here were last imported before 2017. So their requirements might be out of date. If you want to import those species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phellinus noxius*, *Phytophthora capsici*, *Phytophthora palmivora*, Virus diseases, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
OPTION 1
PEQ: Level 2
Minimum Period: 3 months
Note: This option does not apply to *Oxalis deppei* and *Oxalis tuberosa*

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Phellinus noxius* (section 2.2.1.13)
Note: Only applies to members of the *Albizia* and *Cassia* genera AND the following species: *Agathis robusta*, *Celtis sinensis*, *Grevillea robusta*, *Hibiscus rosa-sinensis*, *Hibiscus schizopetalus*, *Hibiscus tiliaceus*, *Ilex rotunda*, *Lagerstroemia speciosa*, *Lagerstroemia subcostata*, *Ligustrum japonicum*, *Liquidambar formosana* and *Pistacia chinensis*

c. Conditions for *Phytophthora capsici*
Note: Only applies to the following genera: *Abelmoschus*, *Hibiscus*, *Lavandula* and *Pistacia*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

d. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genera: *Abelmoschus*, *Catharanthus*, *Coronilla*, *Dodonaea*, *Euphorbia*, *Grevillea*, *Hibiscus*, *Lavandula* and *Pistacia*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

OPTION 2
PEQ: Level 2
Minimum Period: 6 months
Note: This option only applies to *Oxalis deppei* and *Oxalis tuberosa*

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

B. For Cuttings
OPTION 1
PEQ: Level 2
Minimum Period: 3 months
Note: This option does not apply to *Oxalis deppei* and *Oxalis tuberosa*

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

b. Conditions for *Phytophthora capsici*
Note: Only applies to the following genera: *Abelmoschus*, *Hibiscus*, *Lavandula* and *Pistacia*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora capsici*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora capsici*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora capsici*".

c. Conditions for *Phytophthora palmivora*
Note: Only applies to the following genera: *Abelmoschus*, *Catharanthus*, *Coronilla*, *Dodonaea*, *Euphorbia*, *Grevillea*, *Hibiscus*, *Lavandula* and *Pistacia*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

OPTION 2
PEQ: Level 2
Minimum Period: 6 months
Note: This option only applies to *Oxalis deppei* and *Oxalis tuberosa*

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)

C. For Dormant Bulbs
Note: This section only applies to members of the *Oxalis* genus, except for *Oxalis deppei* and *Oxalis tuberosa*.
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for dormant bulbs sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

D. For 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
Note: The options below only apply to *Oxalis deppei* and *Oxalis tuberosa*.

OPTION 1:
No import permit is required
PEQ: None

a. Additional Declaration
"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."

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: Only dormant bulbs sourced from a country recognised by MPI as free from *Xylella fastidiosa* can be imported under this option.

OPTION 2:
PEQ: Level 1
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for dormant bulbs from countries not recognised by MPI as free from *Xylella fastidiosa*.

E. For 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
Note: The options below only apply to *Oxalis deppei* and *Oxalis tuberosa*.

OPTION 1:
PEQ: Level 1
Minimum Period: 3 months

a. Additional Declaration
"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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

b. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for dormant bulbs from countries not recognised by MPI as free from *Xylella fastidiosa*.

OPTION 2:
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for dormant bulbs sourced from countries not recognised by MPI as free from *Xylella fastidiosa*.

F. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

b. Conditions for virus diseases
Note: Only applies to *Oxalis deppei* and *Oxalis tuberosa*.

Additional Declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Viburnum*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

GENERAL CONDITIONS:

Approved Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom, United States of America.

Quarantine Pests: *Phytophthora ramorum*, Uredinales, *Xylella fastidiosa*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings and Whole Plants
PEQ: Level 2
Minimum Period: 3 months

a. Conditions for Uredinales
Additional declaration: "Rust diseases of genus *Coleosporium* and *Cronatium* are not known to occur on _____[the host species being imported] in _____[the country in which the plants were grown]".

b. Conditions for *Phytophthora ramorum* (section 2.2.1.11)

c. Conditions for *Xylella fastidiosa* (section 2.2.1.12)
Guidance for importers: The minimum quarantine period will be 6 months for nursery stock sourced from countries not recognised by MPI as free from *Xylella fastidiosa*

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

a. Conditions for *Xylella fastidiosa* on tissue culture (see section 2.2.2.5)
Guidance for importers: There will be a minimum quarantine period of 6 months in a Level 2 PEQ greenhouse, for tissue cultures from countries not recognised by MPI as free from *Xylella fastidiosa*.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under V*itis*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Vitis* nursery stock approved for entry into New Zealand
Cuttings (dormant); Plants in tissue culture

Vitis can be imported into Level 2 post entry quarantine from MPI-approved facilities, or into Level 3B post entry quarantine from non-approved facilities.

2. Pests of *Vitis*
Refer to the pest list.

3. Entry conditions for:
3.1 *Vitis* cuttings and tissue cultures from offshore MPI-approved facilities in any country
An offshore approved facility is a facility that has been approved to the Administrative Standard: Standard for Offshore Facilities Holding and Testing Plants for Planting to undertake phytosanitary activities. For *Vitis*, the approved facility operator must also have an agreement with MPI on the phytosanitary measures to be undertaken for *Vitis*.

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Vitis* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is to be issued, the exporting country NPPO must be satisfied that the following activities required by MPI have been undertaken.

The *Vitis* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  AND
- sourced from mother plants that have been kept in insect-proof plant houses.
  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 facility].
  AND
- held in a manner to ensure that infestation/reinfestation does not occur following inspection and testing at the approved facility, and certification.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section and by providing the following additional declarations to the phytosanitary certificate:

"The *Vitis* cuttings / plants in tissue culture [choose ONE option] 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 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."

For Syrah cultivars, the exporting NPPO must also provide the following additional declarations to the phytosanitary certificate:

> "The *Vitis* cuttings / plants in tissue culture [choose ONE option] 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."

(iv) *Post-entry quarantine*

PEQ: "All *Vitis* nursery stock must be imported under permit into post-entry quarantine in a Level 2 greenhouse facility (or Level 3B greenhouse facility at the direction of the CTO) approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants."
Quarantine Period and Inspection, Testing and Treatment Requirements: Upon arrival cuttings will be dipped in 1% sodium hypochlorite for 2 minutes [cuttings only]. The nursery stock will be grown in post-entry quarantine and will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer. The minimum quarantine period will be 6 months (which may be extended to a minimum of 16 months at the direction of the CTO). This period is an indicative minimum quarantine periods and may be extended if material is slow growing, pests are detected, or treatments/tests are required.

3.2 *Vitis* cuttings and tissue culture from non-approved facilities in any country

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate issued by the NPPO of the exporting country must accompany all *Vitis* nursery stock exported to New Zealand.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is to be issued, the exporting country NPPO must be satisfied that the following activities required by MPI have been undertaken.

The *Vitis* cuttings / plants in tissue culture [choose ONE option] 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 section 2.2.1.6 of the basic conditions within 7 days prior to shipment [cuttings only].
  AND

- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iii) *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 of the phytosanitary certificate. For Syrah cultivars, the exporting NPPO must also provide the following additional declarations to the phytosanitary certificate:

> "The *Vitis* cuttings / plants in tissue culture [choose ONE option] 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."

(iv) *Post-entry quarantine*

PEQ: All *Vitis* nursery stock must be imported under permit into post-entry quarantine in a Level 3B greenhouse facility approved to Facility Standard PEQ.STD: Post Entry Quarantine for Plants.

Quarantine Period and Inspection, Testing and Treatment Requirements: Upon arrival cuttings will be dipped in 1% sodium hypochlorite for 2 minutes [cuttings only]. The nursery stock will be grown for a minimum period of 16 months active growth in post-entry quarantine and will be inspected, treated and/or audit-tested for regulated pests, at the expense of the importer. Sixteen months is an indicative minimum quarantine period and this period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *Vitis*

REGULATED PESTS (actionable)

Insect	
Insecta	
Coleoptera	
Bostrichidae	
Amphicerus bicaudatus	apple twig borer
Amphicerus bimaculatus	bostrichid beetle
Amphicerus cornutus	-
Apate congener	-
Apate monachus	black borer
Bostrychopsis jesuita	large auger beetle
Dexicrates robustus	-
Melalgus confertus	branch and twig borer
Micrapate scabrata	-
Neoterius mistax	-
Psoa quadrisignata	-
Schistocerus bimaculatus	grape cane borer
Scobicia declivis	lead cable borer
Xylopertha retusa	wood boring beetle
Xylopsocus gibbicollis	-
Buprestidae	
Agrilus marginicollis	flatheaded grape borer
Carabidae	
Adoxus obscurus [Animals Biosecurity]	-
Cerambycidae	
Acalolepta vastator	-
Cerasphorus albofasciatus	grape trunk borer
Chrysomelidae	
Altica chalybaea	grape flea beetle
Altica torquata	grapevine flea beetle
Bromius obscurus	western grape rootworm
Fidia viticida	grape root worm
Glyptoscelis squamulata	grape bud beetle
Haltica spp.	-
Monolepta australis	red-shouldered leaf beetle
Coccinellidae	
Coccinella transversoguttata [Animals Biosecurity]	-
Midas pygmaeus [Animals Biosecurity]	-
Nephus reunioni [Animals Biosecurity]	-
Rhyzobius ruficollis [Animals Biosecurity]	-
Stethorus spp. [Animals Biosecurity]	-
Curculionidae	
Bustomus setulosus	brown weevil
Craponius inaequalis	grape curculio
Dischista cincna	flower beetle
Eremnus atratus	black weevil
Eremnus cerealis	western province grain worm
Eremnus setulosus	grey weevil
Naupactus xanthographus	fruit tree weevil
Orthorhinus cylindrirostris	elephant weevil
Orthorhinus klugi	immigrant acacia weevil
Otiorhynchus cribricollis	cribrate weevil
Perperus spp.	apple root weevils
Platyaspistes glaucus	-
Platyaspistes venustus	-
Rhigopsis effracta	-
Tanyrhynchus carinatus	bud nibbler

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

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

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

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

Platynota stultana	omnivorous leafroller
Proeulia auraria	grapevine leafroller
Proeulia triqueta	-
Zygaenidae	
Harrisina americana	grapeleaf skeletonizer
Harrisina brillians	western grapeleaf skeletonizer
Theresimima ampelophaga	zygaenid butterfly
Neuroptera	
Chrysopidae	
Chrysopa oculata [Animals Biosecurity]	-
Chrysopa spp. [Animals Biosecurity]	-
Coniopterygidae	
Cryptoscenea australiensis [Animals Biosecurity]	-
Hemerobiidae	
Micromus sp. [Animals Biosecurity]	-
Orthoptera	
Acrididae	
Melanoplus femurrubrum	red-legged grasshopper
Melanoplus mexicanus devastator	-
Oedaleonotus enigma	-
Phaulacridium vittatum	wingless grasshopper
Schistocerca cancellata	-
Schistocerca shoshone	-
Schistocerca vaga	-
Gryllidae	
Acheta fulvipennis	cricket
Microgryllus pallipes	cricket
Tettigoniidae	
Caedicia spp.	-
Plangia graminea	grasshopper
Thysanoptera	
Phlaeothripidae	
Haplothrips victoriensis	tubular black thrips
Thripidae	
Caliothrips fasciatus	bean thrip
Drepanothrips reuteri	grape thrips
Frankliniella cestrum	tomato thrips
Frankliniella minuta	minute flower thrips
Frankliniella occidentalis [pesticide resistant strain]	western flower thrips
Heliothrips sylvanus	thrips
Rhipiphorothrips cruentatus	leaf thrips
Scirtothrips citri	citrus thrips
Scolothrips sexmaculatus [Animals Biosecurity]	-
Unknown Insecta	
Unknown Insecta	
Cryptolarynx vitis	-
Dyctineis pulvinosus	-

Mite	
Arachnida	
Acarina	
Anystidae	
Anystis agilis [Animals Biosecurity]	-
Eriophyidae	
Colomerus vitis [leaf curling strain]	grape erineum mite
Phyllocoptes vitis	eriophyid mite
Phytoseiidae	
Amblyseius victoriensis [Animals Biosecurity]	-
Metaseiulus occidentalis [Animals Biosecurity]	-
Neoseiulus chilenensis [Animals Biosecurity]	predator mite
Typhlodromus doreenae [Animals Biosecurity]	-
Tenuipalpidae	

Brevipalpus chilensis	false spider mite
Brevipalpus lewisi	bunch mite
Brevipalpus lilium	false spider mite
Brevipalpus obovatus	privet mite
Tenuipalpus granati	false spider mite
Tetranychidae	
Eotetranychus carpini	tetranychid mite
Eotetranychus pruni	hickory scorch mite
Eotetranychus smithi	tetranychid mite
Eotetranychus viticola	tetranychid mite
Eotetranychus willamettei	hazel mite
Eotetranychus yumensis	Yumi spider mite
Eutetranychus orientalis	pear leaf blister mite
Oligonychus coffeae	tea red spider mite
Oligonychus mangiferus	mango spider mite
Oligonychus peruvianus	spider mite
Oligonychus punicae	avocado brown mite
Oligonychus yothersi	avocado red mite
Tetranychus kanzawai	kanzawa mite
Tetranychus mcdanieli	McDaniel spider mite
Tetranychus pacificus	Pacific spider mite

Mollusc
Gastropoda
Stylommatophora
Helicidae

Cernuella virgata	small banded snails
Cochlicella barbara	small pointed garden snail
Theba pisana	white Italian snail

Fungus
Ascomycota
Caliciales
Unknown Caliciales

Roesleria pallida	grape root rot

Diaporthales
Valsaceae

Diaporthe rudis (anamorph *Phomopsis rudis*)	phomopsis canker

Dothideales
Mycosphaerellaceae

Guignardia bidwellii (anamorph *Phyllosticta ampelicida*)	black rot
Guignardia bidwellii f. sp. *euvitis*	-
Guignardia bidwellii f. sp. *muscadinii*	-
Mycosphaerella angulata (anamorph *Cercospora brachypus*)	angular leaf spot

Schizothyriaceae

Schizothyrium pomi (anamorph *Zygophiala jamaicensis*)	fly speck

Hypocreales
Hypocreaceae

Cylindrocarpon destructans var. *crassum*	root rot

Leotiales
Dermateaceae

Pseudopezicula tetraspora	angular leaf scorch
Pseudopezicula tracheiphila	rotbrenner

Sclerotiniaceae

Grovesinia pyramidalis (anamorph *Cristulariella moricola*)	target spot

Rhytismatales
Rhytismataceae

Rhytisma vitis	tar spot

Saccharomycetales

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

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

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

Diseases of unknown aetiology

Grapevine vein clearing	-
Syrah decline	-

Inspection, Testing and Treatment Requirements for *Vitis*

ORGANISM TYPES	**MPI-ACCEPTED METHODS** (See notes below)
Mites	Visual inspection AND approved miticide treatments (Refer to section 2.2.1.6 of the basic conditions) [cuttings only] or binocular microscope inspection in PEQ [plants in tissue culture only]
Fungi	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post entry quarantine facility. Growing season inspection in PEQ for disease symptom expression **AND** examination using a dissecting microscope or hand lens (longitudinal and transverse sections) **AND** plating on potato dextrose agar
Bacteria	All cuttings must be dipped in 1% sodium hypochlorite for 2 minutes upon arrival in the post entry quarantine facility.
Agrobacterium rubi	Growing season inspection in PEQ for disease symptom expression **AND** Hot water treatment (Refer to "Approved Treatments for *Vitis*")
Xanthomonas campestris pv. viticola	Growing season inspection in PEQ for disease symptom expression **AND** Hot water treatment (Refer to "Approved Treatments for *Vitis*")
Xylophilus ampelinus	Growing season inspection in PEQ for disease symptom expression **AND** Hot water treatment (Refer to "Approved Treatments for *Vitis*")
Xylella fastidiosa	Growing season inspection in PEQ for disease symptom expression **AND** PCR (two sets, samples to be collected at least four weeks apart) **AND** Hot water treatment (Refer to "Approved Treatments for *Vitis*")
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
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
Grapevine chrome mosaic virus	PCR
Grapevine deformation virus	PCR
Grapevine fabavirus	PCR
Grapevine fanleaf virus	ELISA **or** PCR
Grapevine labile rod-shaped virus	Growing season inspection in PEQ for disease symptom expression
Grapevine leafroll-associated virus [type 7]	PCR
Grapevine leafroll-associated virus 2 Redglobe	PCR
Grapevine line pattern virus	Growing season inspection in PEQ for disease symptom expression
Grapevine pinot gris virus	PCR
Grapevine red blotch-associated virus	PCR
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 virus D	PCR
Grapevine virus E	PCR
Peach rosette mosaic virus	ELISA **or** PCR
Petunia asteroid mosaic virus	ELISA **or** PCR
Raspberry ringspot virus	ELISA **or** PCR

[strains not in New Zealand]	
Sowbane mosaic virus	PCR
Strawberry latent ringspot virus [strains not in New Zealand]	PCR
Tomato ringspot virus	ELISA **or** PCR
Viroids	Growing season inspection in PEQ for disease symptom expression
Phytoplasmas	**Plants derived from cuttings:** Nested PCR **or** real-time PCR using universal phytoplasma primers **AND** Hot water treatment (Refer to "Approved Treatments for *Vitis*") **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)
Diseases of unknown aetiology	
Grapevine vein clearing	Growing season inspection in PEQ for disease symptom expression
Syrah decline	Additional declaration endorsed on the phytosanitary certificate, refer to section 3.1 (iii) for offshore MPI-approved facilities or 3.2 (iii) for non-approved facilities.

Notes:

1. The unit for testing is defined in section 2.3.2.1.
2. 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.
3. 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. Ideally positive internal controls and a negative plant control should also be used in PCR 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.
5. With prior notification, MPI will accept other internationally recognised testing methods.

Approved Treatments for *Vitis*

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:

1. 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).
2. 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.
3. 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.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Wollemia nobilis*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

> **Guidance:**
> Species on this schedule were last imported before 2017. So the requirements might be out of date. If you want to import species under this schedule, MPI will need to reassess potential biosecurity risks, which might lead to changes in import requirements. Contact PlantImports@mpi.govt.nz before booking post-entry quarantine, applying for an import permit or ordering plants.

1. Type of *Wollemia nobilis* nursery stock approved for entry into New Zealand
Plants *in-vitro*

2. Pests of *Wollemia nobilis*
Refer to the pest list.

3. Entry conditions for:
3.1 *Wollemia nobilis* plants *in-vitro* from Australia
The requirements of this schedule are in addition to the requirements specified in Section 2.2.2 "Entry Conditions for Tissue Culture".

(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Special tissue culture media requirements*
The tissue culture media must not contain charcoal.

(iii) *Phytosanitary requirements*
The full botanical name of *Wollemia nobilis* must be identified upon the phytosanitary certificate.

Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken:

The *Wollemia nobilis* plants *in-vitro* have been:
- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- derived from mother stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- derived from explant material which has been surface sterilised in a solution of 0.5% sodium hypochlorite and sterile water, or MPI approved alternative treatment.
  AND
- prepared by asexual reproduction (clonal techniques) under sterile conditions.

AND

- held in a manner to ensure that infestation/reinfestation does not occur following certification.

(iv) *Additional declarations to the phytosanitary certificate*
No additional declarations are required.

(v) *Post-entry quarantine*
Post-entry quarantine is not required provided that the above measures have been completed.

Pest List for *Wollemia nobilis*

REGULATED PESTS (actionable)

Fungus	
Ascomycota	
Dothideales	
Botryosphaeriaceae	
Botryosphaeria spp.	-
Oomycota	
Pythiales	
Pythiaceae	
Phytophthora cinnamomi	black rot
Arbuscular mychorrhizae	
All regulated species	
Ectomycorrhizae	
All regulated species	

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Yucca*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Phytophthora palmivora*

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Cuttings (dormant)
PEQ: Level 2
Minimum Period: 3 months
Inspection Requirements: A minimum of 600 plants are to be inspected during each inspection in post-entry quarantine

a. Conditions for *Phytophthora palmivora*

One of the following Additional Declarations must be endorsed on the phytosanitary certificate:

i) "The [insert species name] plants in this consignment have been sourced from [insert country name], which is free from *Phytophthora palmivora*".

OR

ii) "The [insert species name] plants in this consignment were produced in a 'pest free area' for *Phytophthora palmivora*".

OR

iii) "The [insert species name] plants in this consignment were produced in a 'pest free place of production' for *Phytophthora palmivora*".

B. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *Zantedeschia*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

1. Type of *Zantedeschia* nursery stock approved for entry into New Zealand
Dormant bulbs
Plants in tissue culture

2. Pests of *Zantedeschia*
Refer to the pest list.

3. Entry conditions for:
3.1 *Zantedeschia* dormant bulbs from any country
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.

(ii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.

The *Zantedeschia* dormant bulbs have been:
- inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.
  AND
- sourced from 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 section 2.2.1.7 of the basic conditions within 7 days prior to freezing, cold-storage or shipment.
  AND
- sourced from 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.

(iii) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by recording the treatments applied in the "Disinfestation and/or Disinfection Treatment" section [if applicable], and by providing the following additional declaration to the phytosanitary certificate:

"The *Zantedeschia* dormant bulbs in this consignment have been:
- 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

- sourced from a 'pest free area', 'pest free place of production' or 'pest free production site', free from regulated bacteria, phytoplasmas and viruses."

(iv) *Post-entry quarantine*
PEQ: Level 1
Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

3.2 *Zantedeschia* plants in tissue culture from any country
(i) *Documentation*
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: no import permit is required.

(ii) *Special tissue culture media requirements*
The tissue culture media may contain charcoal.

(iii) *Phytosanitary requirements*
Before a phytosanitary certificate is issued, the exporting country NPPO must be satisfied that the following activities required by the New Zealand Ministry for Primary Industries (MPI) have been undertaken.
The *Zantedeschia* 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
- derived from parent stock inspected in accordance with appropriate official procedures and found to be free of any visually detectable regulated pests.

(iv) *Additional declarations to the phytosanitary certificate*
If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the following additional declaration to the phytosanitary certificate:

"The *Zantedeschia* 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"

(iv) *Post-entry quarantine*
Post-entry quarantine is not required provided that the above measures have been completed overseas. Alternatively, the inspection and testing may be completed in post-entry quarantine upon arrival in New Zealand according to the following conditions:
Phytosanitary certificate: a completed phytosanitary certificate, issued by the national plant protection organisation (NPPO) of the exporting country, is required.
Import permit: an import permit is required.
PEQ: Level 3B
Quarantine Period: This is the time required to complete inspections and/or testing to detect regulated pests. Three months is an indicative minimum quarantine period. The quarantine period may be extended if material is slow growing, pests are detected, or treatments/tests are required.

Pest List for *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	-

Note: The entry conditions in this schedule only apply to species in the Plants Biosecurity Index listed under Import Specifications for Nursery Stock as "see 155.02.06 under *2.2.*", and are additional to those specified in sections 1, 2 and 3 of the import health standard.

GENERAL CONDITIONS:

Approved Countries: All

Quarantine Pests: *Helicobasidium mompa*, *Ralstonia pseudosolanacearum*, Virus diseases

Entry Conditions: Basic; with variations and additional conditions as specified below:

A. For Whole Plants
PEQ: Level 2
Minimum Period: 6 months

a. Conditions for *Ralstonia pseudosolanacearum*
   i) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Zingiber*"

B. For Dormant Bulbs
PEQ: Level 2
Minimum Period: 3 months

a. Additional Declaration
   "The dormant bulbs in this consignment have been:
   i) derived from a crop which was inspected during the growing season according to appropriate procedures and found to be free of regulated pests.
   AND
   ii) treated for regulated insects as described in section 2.2.1.7 'Pesticide treatments for dormant bulbs' of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

b. Conditions for *Helicobasidium mompa*
   "The dormant bulbs in this consignment have been:
   i) sourced from a 'pest free area' or 'pest free place of production' [choose ONE], free from *Helicobasidium mompa*."
   OR
   ii) treated for regulated nematodes and fungi as described in section 2.2.1.7 'Pesticide treatments for dormant bulbs' of the basic conditions within 7 days prior to freezing, cold-storage or shipment."

c. Conditions for *Ralstonia pseudosolanacearum*
   i) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Zingiber*"

Guidance:
Section 2.3.2.1 Pre-determined testing defines unit for testing for imported plantlet (imported in vitro), cutting or whole plants. This is also applicable to the testing of bulbs.

C. For Tissue Cultures
As for **Standard Entry Conditions for Tissue Cultures** - see Section 2.2.2.
PLUS

As per section 2.2.2.4, an import permit is required
PEQ: Level 2
Minimum period: 3 months

a. Conditions for virus diseases
   i) Additional declaration: "The cultures have been derived from parent stock tested and found free of virus diseases."

b. Conditions for *Ralstonia pseudosolanacearum*
   i) Pre-determined testing in PEQ; refer to "Inspection, Testing and Treatment Requirements for *Zingiber*"

Additional requirements at a Level 2 quarantine facility

i) All plants must be inspected as per the requirements set out in the facility standard PEQ.STD: Post Entry Quarantine for Plants.

ii) Irrigation water must be collected and either allowed to evaporate or treated prior to disposal;

iii) 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;

iv) 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.

Inspection, Testing and Treatment Requirements for *Zingiber*

Samples must be collected and tested after the minimum PEQ period of active growth. The unit for testing is defined in section 2.3.2.1.

ORGANISM	MPI-ACCEPTED METHODS	COMMENTS
Ralstonia pseudosolanacearum	Growing season inspection in PEQ for disease symptom expression **AND** Plating on selective media **or** PCR	Applies to whole plants (including rooted cuttings), dormant bulbs, and tissue culture.