

MINISTRY FOR PRIMARY INDUSTRIES

IMPORTING COUNTRIES PHYTOSANITARY REQUIREMENTS

INDIA

Status: **Approved**

Date: **14 July 2004**

EXPORTERS ARE ADVISED TO CONFIRM THE PHYTOSANITARY IMPORT REQUIREMENTS PRIOR TO EXPORT FROM NEW ZEALAND

Amendment record

| Amendment No. | Date: | Nature of amendment: | Approved by: |
|---------------|-----------------|--|--------------|
| 43 | 16 July 2024 | Removed conditions for <i>Citrus</i> spp under section 4.1.1 as requirements are no longer listed in Plant Quarantine Order 2003 | JR |
| 42 | 1 February 2024 | Updated conditions for <i>Pinus radiata</i> (bark) under section 4.5 Growing Media. Updated conditions for Herbs for Medicinal Purposes and or Consumption under section 4.6 Miscellaneous Items. Added <i>Galium aparine</i> and <i>Striga aspera</i> , amended scientific name (typos) for <i>Ambrosia maritima</i> and <i>Proboscidea louisianica</i> and removed <i>Striga</i> spp. under Appendix 1 Quarantine pests. | AS |
| 41 | 12 October 2023 | Updated weblink under section 1.3 Phytosanitary Legislation and under section 2.2. Import Permits. Added section heading 4.3.1 Whole Plants under section 4.3 Nursery Stock. Updated conditions for <i>Dianthus</i> spp. and added scientific name Orchidaceae under section 4.3.1 Whole Plants. Amended scientific name (typo) for <i>Durio zibethinus</i> under section 4.3.3 Budwood | AS |

| Amendment No. | Date: | Nature of amendment: | Approved by: |
|---------------|-------------------|---|--------------|
| | | <p>and Cuttings.</p> <p>Added scientific name Orchidaceae under section 4.3.4 Tissue Culture.</p> <p>Amended scientific name (typo) for <i>Trifolium alexandrinum</i> under section 4.4.1 Seeds, Grains and Nuts for Sowing.</p> <p>Added scientific names for commodities under section 4.6 Miscellaneous.</p> <p>Added conditions for Miscellaneous Plant Products under section 4.6 Miscellaneous.</p> <p>Removed requirements for Dry Fruit & Nuts that are covered by the commodity class requirements in sections 3.1.2 and 3.4.2, under section 4.6 Miscellaneous.</p> | |
| 40 | 23 April 2021 | Updated requirements for <i>Cucurbita</i> spp. under Section 4.4.1 Seeds, Grains and Nuts for sowing. | FA |
| 39 | 18 March 2021 | Added further clarification to <i>Malus</i> spp. requirements under section 4.1.1 Fresh Fruit and Vegetables. | GF |
| 38 | 05 March 2021 | Added additional declaration and requirements to <i>Malus</i> spp. under section 4.1.1 Fresh Fruit and Vegetables. | GF |
| 37 | 01 March 2021 | Added requirement for Non-GM Origin and GM Free Status Certificate to <i>Malus</i> spp. under section 4.1.1 Fresh Fruit and Vegetables. | GF |
| 36 | 24 September 2020 | Updated conditions for <i>Malus</i> spp. under section 4.3 Nursery Stock. | FA |
| 35 | 26 November 2019 | <p>Added 24 new weed seed species in the Quarantine Pest List (Appendix 1). Minor spelling and common name amendments.</p> <p>Added exceptions in <i>Senecio</i> spp. (Section 4.3.4) and <i>Cichorium</i> spp. (Section 4.4.1).</p> | SR |
| 34 | 8 May 2019 | Updated ports of entry section 2.7 | HC |
| 33 | 17 December 2018 | <p>Updated ports of entry in section 2.7</p> <p>Updated commodity specific requirements in sections 4.1.1 fresh fruit and vegetables, 4.3 nursery stock, 4.3.3 budwood and cuttings, 4.3.4 tissue culture, 4.4.1 seeds for sowing and 4.6</p> | SH |

| Amendment No. | Date: | Nature of amendment: | Approved by: |
|---------------|-------------------|---|--------------|
| | | miscellaneous items. | |
| 32 | 21 September 2018 | Removed <i>Pseudococcus longispinus</i> (long-tail mealy bug) from Appendix 1. Quarantine Pest List. This pest is only actionable for <i>Vitis</i> spp. Updated definitions list and requirements for seed for sowing. Amended additional declaration for carrot seed for sowing in section 4.1.1. | GF/SH |
| 31 | 30 July 2018 | Updated definitions tables in section 1.4, entry ports to India in section 2.7. Amended commodity specific additional declaration wording in 4.3.2, 4.3.3, 4.4.1, 4.4.2 and 4.4.3. Updated quarantine pest list in appendix 1. | SH/GF |
| 30 | 23 May 2018 | Updated section 2.3 regarding inspection date to be written in the relevant field on the phytosanitary certificate. | SH |
| 29 | 15 March 2017 | Updated regulations for <i>Triticum</i> spp. in section 4.4.2. Added regulations for <i>Triticum</i> spp. in section 4.4.3. Added three species to quarantine pest list. Corrected spelling errors in scientific names. Font size amended for consistency. Reformatted table of contents. | HK |
| 28 | 2 February 2017 | Clarified phrasing regarding ports approved for import of apples, section 4.1.1 under <i>Malus</i> spp. Added note in section 2.7 ports of entry regarding apples. | HK |
| 27 | 14 September 2016 | “Free from soil and quarantine weed seeds” was added as an additional declaration requirements for some commodities under fresh cut flowers, nursery stock, bulbs/corms/rhizomes, budwood and cuttings, seeds, grains and nuts for sowing, seeds, grains and nuts for consumption and seeds grain and nuts for processing, section 4.2.1, 4.3, 4.3.2, 4.3.3, 4.4.1, 4.4.2 and 4.4.3 respectively Added new commodities under budwood and cuttings, tissue culture, seeds, grains and nuts for sowing and seeds, grains and nuts for processing, section 4.3.3, 4.3.4, 4.4.1, and 4.4.3 respectively. | GF |
| 26 | 26 August 2016 | Added <i>Cucurbita</i> spp. and <i>Hordeum</i> spp., section 4.4.1 Seeds for sowing and 4.4.3 Seeds, Grains and Nuts for Processing | GF |

| Amendment No. | Date: | Nature of amendment: | Approved by: |
|---------------|-----------------|---|--------------|
| | | respectively. Updated the additional declaration for <i>Brassica</i> spp. section 4.4.1 Seeds for sowing. | |
| 25 | 16 August 2016 | Import permit is no longer required for plants and plant products for consumption, processing and propagation except for soil in any form for research purposes, growing media (with soil, peat, or other organic materials), peat or sphagnum moss for horticultural purposes; germplasm, transgenics, genetically modified organisms; live insects and other arthropods, nematodes, microbial cultures including algae and bio-control agents. Updated section 2.2, 3 and 4 to reflect the change. | GF |
| 24 | 3 August 2016 | Added 96 new quarantine pests, Appendix 1. Updated the specific requirements under fruits and vegetables, 4.1; cut flowers, 4.2; nursery stock, 4.3; seeds, grains and nuts, 4.4 and growing media, 4.5. Updated the disclaimer and general information; Import permits, section 2.2 , quarantine pests, 2.4 link to forestry ICPR for India, section 2.10; Ports of entry, section 2.8. Removed Maximum Pest List, section 2.5. MPL is covered in the MPI Certification Standard and is not within the scope of the ICPR. Added new section for entitled Fees and Charges, section 1.5 and table title nos. 1,2,3,4 and 5 under section, 1.4, 2.1, and 2.8 respectively. Reformatted the presentation of quarantine pests by providing the pest type, order, family and common names; corrected misspelt scientific names and provided synonyms, Appendix 1. Reformatted the presentation of the amendment record starting with the most record of amendments. | GF |
| 23 | 26 January 2016 | Updated the Ports of Entry under Section 2.8 Commodity specific requirements of <i>Malus</i> spp. (apples) to India, Section 4.1.1 | GF |

| Amendment No. | Date: | Nature of amendment: | Approved by: |
|---------------|------------------|---|--------------|
| 22. | 22 May 2014 | Amended J.N. Port (Mumbai) Maharashtra to Jawaharlal Nehru (Mumbai) Maharashtra, page 19. Additional section for wood packaging, section 2.10. | SM |
| 21. | 13 January 2014 | Updated the requirements for <i>Prunus spp.</i> (plum, peach, cherry, apricot, and nectarine), section 4.1.1. Changed heading of section 2.5 to 'MPI specified Maximum Pest Limit (MPL)'. Additional sentence added to section 1.2 to clarify scope and Plant Export contact details updated, section 1.1. | SM |
| 20. | 29 July 2013 | Addition of phytosanitary requirements for <i>Persea americana</i> (Avocado), section 4.1.1. | SM |
| 19. | 14 March 2013 | <i>Pseudococcus longispinus</i> removed from Section 2.4 List of Quarantine Insects/Mites | VK |
| 18. | 3 October 2012 | Section 2.2 - Link added to Import permit information. Section 2.4 - Quarantine pests previously listed throughout the ICPR consolidated into the appropriate section. Section 4.3 - Amendment to the entry conditions for <i>Malus spp.</i> nursery stock. Update of MAFBNZ to MPI (Ministry for Primary Industries) to reflect ministry name change on 30 April 2012 | CB |
| 17. | 14 October 2011 | Addition of phytosanitary requirements for <i>Actinidia arguta</i> (kiwi berry). Section 4.1.1. | CB |
| 16 | 08 April 2011 | Amendment of Section 2.3 Phytosanitary Certificates. | CB |
| 15. | 17 February 2011 | Amendment of Section 2.3 Phytosanitary Certificates. | VK |
| 14. | 4 June 2010 | Amendment of the commodity entry <i>Actinidia spp.</i> | GI |

| Amendment No. | Date: | Nature of amendment: | Approved by: |
|---------------|------------------|--|--------------|
| 13. | 28 January 2010 | Asterix removed for three seaports therefore these seaports are not restricted to food grains and timber import only. India Plant Quarantine Order. Addition of three seaports; Kollam (Quilon), Karaikal (Puducherry), Pipavav (Gujarat). WTO G/SPS/N/IND/64 of 2009 and one Inland Container Depot and Container Freight Station, Surajpur (Uttar Pradesh). Effective 22 February 2010. | GI |
| 12. | 06 August 2009 | Addition of tissue culture requirements for <i>Amaryllis</i> spp. and <i>Gerbera jamesonii</i> . Section 4.3.4. Amendment to 2003 Plant Quarantine (Regulation of Import into India) (Fifth amendment) Order, 2009. | GI |
| 11. | 28 November 2008 | Amendment of Additional Declaration required for fresh kiwifruit for consumption 4.1.1. Refer Plant Quarantine Order 2003 Schedule VI (Fourth Amendment) | LK |
| 10. | 18 July 2008 | Amendment of temperature for fumigation of <i>Hordeum</i> spp for consumption Section: 4.4.2I. Refer IWTO notification 2 January 2008 | LK |
| 9. | 23 March 2007 | Update to Section 2.4 List of Quarantine Weed Species (29 weed species removed). | SW |
| 8. | 22 March 2007 | Amendment of MPI contact details Section 1.1 | SW |
| 7. | 2 March 2007 | Change frozen fruit requirements. Reissue of ICPR | SW |
| 6. | 26 October 2006 | Change cut flower requirements. Reissue of ICPR. | SW |
| 5. | 17 August 2006 | Amendment of Biosecurity New Zealand contact details, refer Section 1.1. Amendment of additional declaration for kiwifruit, refer Section 4.1.1. | WJH |
| 4. | 18 February 2005 | Inclusion of requirements for <i>Humulus</i> spp. pallets, refer Section 4.5. Amendment of requirements for herbs and spices, refer Section 4.5. Amendment of requirements for wooden packaging, refer Section 3.6. Amendment of MPI contact details Section 1.1 and 1.2. Minor reformatting of document. | WJH |

| Amendment No. | Date: | Nature of amendment: | Approved by: |
|---------------|------------------|--|--------------|
| 3. | 14 July 2004 | Revision and Reissue of ICPR | WJH |
| 2. | 14 February 2003 | Renaming and reformatting of standard. Amendment to Section 2.5 re MPLs. | WJH |
| 1. | 30 March 1999 | Modifications to Section 2.2 (Import permits) and 3.4.1 (Seed for sowing) and addition of Section 3.3.4 (Tissue Culture) Re-issue of EPS. | SCO |

DISCLAIMER

The phytosanitary requirements in this document may be used as the basis for export certification. However, exporters should be aware that importing countries may change their requirements at any time; at short notice or without giving notice to New Zealand.

This information is provided strictly on the basis that the Crown, the Ministry for Primary Industries, its statutory officers, employees, agents and all other persons responsible for or associated with the compilation, writing, editing, approval or publication of the information:

1. disclaim any and all responsibility for any inaccuracy, error, omission, lateness, or any other kind of inadequacy, deficiency or flaw in, or in relation to, the information;
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2. without limiting (1) above, fully exclude any and all liability of any kind on the part of all of them, to any person or entity that chooses to rely on this information

Compliance with this document is not to be taken as a guarantee that any particular goods will be granted access to any overseas market. We recommend that exporters work with their importers to obtain the most up-to-date information.

Table of Contents

| | | |
|----------|---|-----------|
| 1 | General Information..... | 11 |
| 1.1 | For enquires about this document email the Plant Exports Team:..... | 11 |
| 1.2 | Scope | 11 |
| 1.3 | Phytosanitary Legislation | 11 |
| 1.4 | Indian Phytosanitary Definitions | 11 |
| 1.5 | Fees and charges | 15 |
| 2 | General Requirements | 15 |
| 2.1 | Prohibitions | 15 |
| 2.2 | Import Permits | 16 |
| 2.3 | Phytosanitary Certificates..... | 17 |
| 2.4 | Quarantine Pests | 17 |
| 2.5 | Inspection on Arrival | 17 |
| 2.6 | On Arrival Sampling Rate | 17 |
| 2.7 | Ports of Entry..... | 17 |
| 2.8 | Transit Requirements..... | 22 |
| 2.9 | Wood packaging..... | 22 |
| 3 | Commodity Class Requirements..... | 22 |
| 3.1 | Fruit and Vegetables | 22 |
| 3.1.1 | <i>Fresh Fruit and Vegetables.....</i> | 22 |
| 3.1.2 | <i>Dried Fruit and Vegetables</i> | 22 |
| 3.1.3 | <i>Frozen Fruit and Vegetables.....</i> | 22 |
| 3.2 | Cut Flowers and Foliage | 22 |
| 3.2.1 | <i>Fresh Cut Flowers and Foliage.....</i> | 22 |
| 3.2.2 | <i>Dried Cut Flowers and Foliage.....</i> | 22 |
| 3.3 | Nursery Stock | 23 |
| 3.3.1 | <i>Whole Plants.....</i> | 23 |
| 3.3.2 | <i>Bulbs/tubers/corms/rhizomes (for propagation).....</i> | 23 |
| 3.3.3 | <i>Budwood and Cuttings</i> | 23 |
| 3.3.4 | <i>Tissue Culture</i> | 23 |
| 3.4 | Seeds, Grains and Nuts | 23 |
| 3.4.1 | <i>Seeds, Grains and Nuts for Sowing.....</i> | 23 |
| 3.4.2 | <i>Seeds, Grains and Nuts for Consumption</i> | 23 |
| 3.4.3 | <i>Seeds, Grains and Nuts for Processing</i> | 23 |
| 3.5 | Growing Media..... | 23 |
| 3.6 | Miscellaneous Items..... | 23 |
| 4 | Commodity Specific Requirements..... | 23 |
| 4.1 | Fruit and Vegetables | 24 |
| 4.1.1 | <i>Fresh Fruit and Vegetables.....</i> | 24 |
| 4.1.2 | <i>Dried Fruit and Vegetables</i> | 26 |
| 4.1.3 | <i>Frozen Fruit and Vegetables.....</i> | 26 |
| 4.2 | Cut Flowers and Foliage | 26 |
| 4.2.1 | <i>Fresh Cut Flowers and Foliage.....</i> | 26 |
| 4.2.2 | <i>Dried Cut Flowers and Foliage.....</i> | 27 |
| 4.3 | Nursery Stock | 27 |
| 4.3.1 | <i>Whole Plants.....</i> | 27 |
| 4.3.2 | <i>Bulbs/tubers/corms/rhizomes (for propagation).....</i> | 31 |
| 4.3.3 | <i>Budwood and Cuttings</i> | 34 |
| 4.3.4 | <i>Tissue Culture</i> | 36 |
| 4.4 | Seeds, Grains and Nuts | 40 |
| 4.4.1 | <i>Seeds, Grains and Nuts for Sowing.....</i> | 40 |
| 4.4.2 | <i>Seeds, Grains and Nuts for Consumption</i> | 47 |
| 4.4.3 | <i>Seeds, Grains and Nuts for Processing</i> | 50 |
| 4.5 | Growing Media..... | 51 |
| | Treatment: | 51 |
| 4.6 | Miscellaneous Items..... | 51 |

1 General Information

Users of this document are strongly advised to read all sections to understand the phytosanitary requirements for a commodity.

1.1 For enquires about this document email the Plant Exports Team:

plantexports@mpi.govt.nz

Please state the nature of your enquiry in the subject line e.g. India query or pest interception or password re-set.

For urgent enquiries please phone + 64 4 894 5693

1.2 Scope

The requirements listed in this Importing Country's Phytosanitary Requirement (ICPR) apply to product of New Zealand only, unless specifically stated.

This ICPR specifies India's phytosanitary requirements. If a commodity or commodity group is not identified within this ICPR exporters should direct enquiries to:

- India directly to ascertain requirements
- or
- Ministry for Primary Industries (MPI)-Plant Exports. Refer to section 1.1.

1.3 Phytosanitary Legislation

The following legislation controls the importation of plants and plant materials into India:

- The Plant Quarantine Order 2003, Sixth Amendment, 2016
- The Plant Quarantine Order 2003 Amendment 1
- The Plant Quarantine Order 2003 Amendment 2
- The Plant Quarantine Order 2003 Amendment 3
- The Plant Quarantine Order 2003 Additional commodities in Schedule VI
- The Plant Quarantine Order 2003 Additional commodities in Schedule VII
- The Plant Quarantine Order 2009, Fifth Amendment (in Schedule VI)
- The Plant Quarantine Order 2009, (Seventh Amendment) Schedule I

Refer to: <https://pqms.cgg.gov.in/pqms-angular/homeGuidelines/Import> under Plant Quarantine Order and Amendments.

1.4 Indian Phytosanitary Definitions

Table 1. Glossary of Indian Phytosanitary Definitions

| | |
|------------------------|---|
| Additional Declaration | A statement that is required by an importing country to be entered in a phytosanitary certificate and which provides specific additional information pertinent to the |
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| | phytosanitary condition of a consignment. |
| Animal Feed | Kibbled-crushed seeds/ pellet/ dried cake form thereby denatured and free from weed seeds, bacterial and fungal pathogens. |
| Article | Any kind of movable property including any goods and stores consigned from one party to another as a shipment and covered by a bill of entry of customs, shipping or airway bill and/ or invoice in the course of international trade. |
| Bio-control Agent | Any biological agent such as parasite, predator, parasitoid, microbial organism or self replicating entity that is used for control of pests. |
| Commodity | A type of plant, plant product, or other article being moved for trade or other purpose (S.O.2286(E), dated 04.06.2018). |
| Consignment | A quantity of seeds, plants and plant products or any regulated article consigned from one party to other at any one time shipment and covered by a phytosanitary certificate, bill of entry of customs, shipping/airway bill or invoice. |
| Cotton | Includes ginned cotton, cotton linters and dropping, tripping, fly and other waste products of cotton mill other than yarn waste, but does not include cotton seed or un-ginned cotton. |
| DAC | Indian Department of Agriculture and Co-operation (Ministry of Agriculture). |
| Dunnage | Wood packing material used to secure or support a commodity but which does remain associated with the commodity. |
| Form | A form appended to this order. |
| Fruit | Any fleshy portion of the plant that contains seeds, which is used for consumption, including seedless fruit both fresh and dry but does not include preserved or pickled or frozen fruits. |
| Germplasm | Plants in whole or in parts and their propagules including seeds, vegetative parts, tissue cultures, cell cultures, genes and DNA based sequences that are held in a repository or collected from the wild and are utilised in genetic studies or plant breeding programmes for crop improvement. |
| Grain | Seeds intended for processing or consumption and not for sowing or propagation. |

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| Import | An act of bringing into any part or place of territory of Republic of India any kind of seed, plant or plant product and other regulated article from a place outside India either by sea, land, air or across any customs frontier. |
| Import permit | Official document authorising importation of a consignment in accordance with specified phytosanitary requirements. |
| Inspection Authority | An authority specified in Part I of Schedule XI or an officer of the Directorate of Plant Protection, Quarantine and Storage duly authorized by the Plant Protection Adviser for the purpose of approval and certification of Post-entry quarantine facilities and inspection of growing plants in such facilities in accordance with the guidelines issued by the Plant Protection Adviser and for any specified purpose, an authority specified in Part II of the said Schedule. |
| Irradiation | The treatment of food or agricultural products with any type of processing of ionized radiation such as gamma irradiation or micro-electron acceleration processing. |
| Issuing Authority | An authority as envisaged under Schedule-IV of this order or duly notified by the Central Government from time to time either generally or specifically for issuance of import permit. |
| Notification | A notification published in the official Gazette and the expression “notifies” shall be construed accordingly. |
| Noxious weeds | Any weed which is harmful, hazardous or unwholesome to human beings and animal life and or parasitic on plant species. |
| Packing material | Means any kind of material of plant origin used for packing, which includes hay, straw, wood shavings, wood chips, saw dust, wood waste, wooden pallets, dunnage mats, wooden packages, coir pith, peat or sphagnum moss etc. |
| Pest | Any species, strain or biotype of plant, animal or pathogenic agent injurious to plants and plant products. |
| Pest Risk Analysis (PRA) | The process of evaluating biological or other scientific and economic evidence to determine whether a pest should be regulated and strength of any phytosanitary measures to be taken against it. |
| Phytosanitary Certificate | A certificate issued in the model format prescribed under the International Plant Protection Convention of the Food & Agricultural Organization and issued by an |

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| | authorized officer at the country of origin of consignment or re-export. |
| Plant | Living plants and parts thereof including seed and germplasm. |
| Plant product | Means an un-manufactured material of plant origin including grain and those manufactured products that, by their nature or that of their processing may create risk for the introduction and spread of a pest. |
| Plant Protection Adviser | The Plant Protection Adviser to the Government of India, Directorate of Plant Protection, Quarantine and Storage. |
| Point of entry | Means any sea port, airport, or land-border check-post or rail station, river port, foreign post office, courier terminal, container freight station or inland container depot notified as specified in Schedule-I or Schedule-II or Schedule-III as the case may be. |
| Post-entry quarantine | Growing of imported plants in confinement for a specified period of time in a glass house, screen house, poly house or any other facility, or isolated field or an off-shore island that is established in accordance with guidelines/standards and are duly approved and certified by an inspection agency. |
| Processed | Processed to the point where the commodity does not remain capable of being infested with quarantine pests. |
| Quarantine pest | A pest of potential economic importance to the area endangered thereby and not yet present there, or present but not widely distributed and being officially controlled. |
| Regulated article | Any article the import of which is regulated by this order. |
| Schedule | A schedule to this order. |
| Seeds | Seeds of agricultural and horticultural crops and forest plant species produced by sexual reproduction including naked seeds (cones) produced by gymnosperms and seed sprouts meant for propagation or consumption. |
| Soil | Earth, sand, clay, silt, loam, compost, manure, peat or sphagnum moss, litter, leaf waste or any organic media that support plant life and shall include ship ballast or any organic medium used for growing plants. |
| Timber | A form of dead wood, log and lumber cut from plants, |

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| | with or without bark or sawn and sized, which is used for manufacturing veneer, plywood, particle or chip board and making building material, furniture, packages, pallets, sports goods and handicrafts. |
| Tissue cultured plant | Any part of a plant or plant tissue or plantlet grown under aseptic or sterile conditions in flasks or other suitable container on appropriate media and shall include ex-agar washed plant lets. |
| Wood packing material | Wood or wood products (excluding paper products) used in supporting, protecting or carrying a commodity (includes dunnage). |

1.5 Fees and charges

- Please note that the determination and provision of phytosanitary requirements for a commodity not listed within the ICPR may be undertaken on a cost recovered basis. A link to the list of Plant Exports Fees and Charges is available on [MPI Fees and Charges](#)

2 General Requirements

2.1 Prohibitions

ref Schedule IV

Table 2 lists the prohibited commodities into India as found on the Schedule IV of the Plant Quarantine Order dated 18 November 2003.

Table 2. Prohibited commodities into India

| Scientific Name | Common Name | Plant Part Prohibited |
|---|-------------------------------|--|
| <i>Colocasia esculenta</i> and other Aroids | Taro and other edible aeroids | Plants/Corms/Cormlets/ Suckers |
| <i>Ipomoea</i> spp. | Sweet potato | Stem (vine) cuttings rooted or un-rooted/tubers |
| Soil | Soil | No import of soil, earth, compost, sand, plant debris associated with plants, fruits and seeds is permitted except under the following conditions: (i) The consignments of soil in any form for research purpose; sand, similar material and stone for industrial and non-agricultural purpose; growing media (with soil, peat or other organic materials), peat or sphagnum moss for horticultural |

| Scientific Name | Common Name | Plant Part Prohibited |
|-----------------|-------------|--|
| | | <p>purposes may be permitted through specified air or sea ports or land custom station.</p> <p>(ii) The application for the purpose referred to in (i) above shall be made to the Issuing Authority as listed in Schedule X, at least 10 days in advance, in form PQ 06.</p> |

2.2 Import Permits

ref Chapter 2 (3)-2

2.2.1 Import permits state the phytosanitary requirements for importation. Information regarding the issuance of import permits can be found at:

[PQMS \(cggi.gov.in\)](https://pqms.cggi.gov.in)

2.2.2 Import permits are not required for plants and plant products for consumption, processing and propagation except for the following:

- Soil in any form for research purpose; sand, similar material and stone for industrial and non-agricultural purpose; growing media (with soil, peat or other organic materials), peat or sphagnum moss for horticultural through specified air or sea ports or land custom station. Import permit applications shall be made at least 10 days in advance to the Issuing Authority.
- Germplasm, transgenics, genetically-modified organisms (GMOs) for the purpose of agricultural research or experimentation. Import permit applications shall be made to the Director, National Bureau of Plant Genetic Resources, New Delhi, subject to the approval of Genetic Engineering Manipulation (RCGM) of Department of Biotechnology.
- Live insects and other arthropods, nematodes, microbial cultures including algae, bio-control agents. Import permit applications shall be made at least 30 days in advance to Plant Protection Adviser.

2.2.3 Permits are valid for 12 months from the date of issue and are valid for multiple port access and multiple part shipments provided the exporter, importer and country of origin are the same for the entire consignment. The issuing authority may, on request, extend the period of validity for a further period of 12 months provided such request for extension of validity is made to the issuing authority before the expiry of the permit with adequate reasons to be recorded in writing.

2.2.4 Please note conditions of import or additional declarations identified upon import permits received from India may differ from those identified within this document. Conditions of import identified herein are accurate at the time of this standards publication.

Where import conditions identified upon an import permit differ from that identified within this document, the permit conditions take precedence. Where conditions of export identified upon an import permit differ from that stated within this EPS, please contact Plant Exports, refer Section 1.1.

2.3 Phytosanitary Certificates

ref Chapter 2 (3)-20

Phytosanitary certificates are required for **ALL** plants and plant products with the exception of;

- garlands, bouquets, dry fruits/nuts weighing two kilograms or less imported for personal consumption

NOTE: The inspection date is to be stated in the inspection date field on the phytosanitary certificate.

2.4 Quarantine Pests

Ref Schedule VIII [Clause 3 (12)]

For a list of quarantine pests refer to Appendix 1. The scientific name and classification used is checked for accuracy against the European and Mediterranean Plant Protection Organisation (EPPO) Global database (<https://gd.eppo.int/>). Please note the scientific name remains as the definitive name. In addition, MPI will also include synonyms specified by the importing country for use on additional declarations.

Quarantine pests for India include organisms specified in Appendix 1 of this ICPR, additional declarations and/or import permit.

To request for a copy of the pest list (Appendix 1) in excel format, please refer to section 1.1.

2.5 Inspection on Arrival

All consignments of plants and plant products may be subject to inspection on arrival.

2.6 On Arrival Sampling Rate

Not specified

2.7 Ports of Entry

The following are the permitted points of entry for the import of plants and plant materials:

Table 3. List of permitted ports of entry in India

| PORTS | CITY/STATE |
|-----------------|-------------|
| SEAPORTS | |
| 1. Alleppey | Kerala |
| 2. Bhavnagar | Gujarat |
| 3. Kolkata | West Bengal |
| 4. Calicut | Kerala |

| | |
|------------------------------|---------------------------|
| 5. Chennai | Tamil Nadu |
| 6. Cochin | Kerala |
| 7. Cuddalore | Tamil Nadu |
| 8. Goa | Goa |
| 9. Gopalpur | Orissa |
| 10. Haldia* | West Bengal |
| 11. Jamnagar | Gujarat |
| 12. Beypore | Kerala |
| 13. Kakinada | Andhra Pradesh |
| 14. Kandla | Gujarat |
| 15. Karwar | Karnataka |
| 16. Krishnapatnam | Andhra Pradesh |
| 17. Machlipatnam | Andhra Pradesh |
| 18. Mandvi | Gujarat |
| 19. Mangalore | Karnataka |
| 20. Mumbai | Maharashtra |
| 21. Mundra | Gujarat |
| 22. Nagapatnam | Tamil Nadu |
| 23. Nova Shiva | Maharashtra |
| 24. Navlakhi | Gujarat |
| 25. Okha | Gujarat |
| 26. Paradeep* | Orissa |
| 27. Pondicherry | |
| 28. Porbander | Gujarat |
| 29. Rameshwram | Tamil Nadu |
| 30. Tiruvananthapuram | Kerala |
| 31. Tuticorin | Tamil Nadu |
| 32. Veraval | Gujarat |
| 33. Visakhapatnam | Andhra Pradesh |
| 34. Vizhinjam | Kerala |
| 35. Kollam (formerly Quilon) | Kerala |
| 36. Karaikal | Puducherry |
| 37. Pipavav | Gujarat |
| 38. Hazira | Gujarat |
| 39. Jaigarh | Maharashtra |
| 40. Kattupalli | Tamil Nadu |
| 41. Port Blair | Andaman & Nicobar Islands |
| 42. Dahej Port | Gujarat |
| 43. Dhamra Port | Orissa |
| 44. Kamarajar Port, Chennai | Tamil Nadu |
| AIRPORTS | |
| 1. Amritsar | Punjab |
| 2. Bangalore | Karnataka |
| 3. Kolkata | West Bengal |
| 4. Chennai | Tamil Nadu |
| 5. Hyderabad | Andhra Pradesh |
| 6. Mumbai | Maharashtra |
| 7. New Delhi | Delhi |
| 8. Patna | Bihar |
| 9. Tiruchirapalli | Tamil Nadu |
| 10. Trivandrum | Kerala |
| 11. Varanasi | Uttar Pradesh |

| | |
|-------------------------------------|---------------------------|
| 12. Guwahati | Assam |
| 13. Calicut | Kerala |
| 14. Coimbatore | Tamil Nadu |
| 15. Bagdogra | West Bengal |
| 16. Cochin | Kerala |
| 17. Indore | Madhya Pradesh |
| 18. Goa | Goa |
| 19. Tirupati | Andhra Pradesh |
| 20. Port Blair | Andaman & Nicobar Islands |
| 21. Nashik | Maharashtra |
| 22. Madurai | Tamil Nadu |
| 23. Bhubaneswar | Odisha |
| LAND FRONTIER STATIONS | |
| 1. Agartala | Tripura |
| 2. Amritsar Rly. Stn. | Punjab |
| 3. Attari Rly. Stn. | Punjab |
| 4. Attari Wagha Border - Check post | Punjab |
| 5. Bongaon | West Bengal |
| 6. Gede Road Rly. Stn. | West Bengal |
| 7. Jogbani | Bihar |
| 8. Moreh | Manipur |
| 9. Panitanki | West Bengal |
| 10. Raxual | Bihar |
| 11. Rupadiha | Uttar Pradesh |
| 12. Sonauli | Uttar Pradesh |
| 13. Banbasa | Uttaranchal |
| 14. Zokhwathar | Mizoram |
| 15. Changrabandha | West Bengal |
| 16. Ghoadanga | West Bengal |
| 17. Mehadipur | West Bengal |
| 18. Gauriphanta | Uttar Pradesh |
| 19. Vittamod | Bihar |
| 20. Jaigon | West Bengal |
| 21. Chamurchi | West Bengal |
| 22. Hatisar | Daddgiri Assam |
| 23. Darranga | Assam |

Source: Schedule I of Plant Quarantine Order, 18 November 2003 (Sixth Amendment, 2016)

Note: *For import of food grains and timber only

Table 4. List of post offices for import of plants and plant products in India

| POST OFFICES | CITY/STATE |
|---------------------|-------------------|
| 1. New Delhi* | Delhi |
| 2. Mumbai* | Maharashtra |
| 3. Chennai* | Tamil Nadu |
| 4. Kolkata* | West Bengal |
| 5. Cochin | Kerala |
| 6. Ahmedabad | Gujarat |
| 7. Bangalore | Karnataka |
| 8. Jaipur | Rajasthan |
| 9. Ludhiana | Punjab |
| 10. Agra | Uttar Pradesh |
| 11. Guwahati | Assam |

Source: Schedule III of Plant Quarantine Order, 18 November 2003 (Sixth Amendment, 2016)

Note: *Authorised for import of seeds/plants for sowing/planting/propagation.

Table 5. List of inland container depots and freight stations for import of plants and plant products in India

| INLAND CONTAINER DEPOTS AND CONTAINER FREIGHT STATIONS | CITY/STATE |
|--|----------------|
| 1. Tughlakabad | Delhi |
| 2. Patparganj | Delhi |
| 3. Ballabhgarh | Haryana |
| 4. Gurgaon | Haryana |
| 5. Rewari | Haryana |
| 6. Panipat | Haryana |
| 7. Jalandhar | Punjab |
| 8. Amritsar | Punjab |
| 9. Bhatinda | Punjab |
| 10. Ludhiana (Dhandari Kalan) | Punjab |
| 11. Moradabad | Uttar Pradesh |
| 12. Kanpur | Uttar Pradesh |
| 13. Rudarpur | Uttar Pradesh |
| 14. Agra | Uttar Pradesh |
| 15. Dadri (G.Noida) | Uttar Pradesh |
| 16. Sharanpur | Uttar Pradesh |
| 17. Varanasi | Uttar Pradesh |
| 18. Meerut | Uttar Pradesh |
| 19. Sabarmati Ahmedabad | Gujarat |
| 20. Ahmedabad | Gujarat |
| 21. Surat | Gujarat |
| 22. Kandla | Gujarat |
| 23. Jodhpur | Rajasthan |
| 24. Jaipur | Rajasthan |
| 25. Bhiwadi | Rajasthan |
| 26. Kota | Rajasthan |
| 27. Sanatnagar (Hyderabad) | Andhra Pradesh |
| 28. Guntur | Andhra Pradesh |
| 29. Chirala | Andhra Pradesh |
| 30. Anaparti | Andhra Pradesh |
| 31. Kakinada | Andhra Pradesh |
| 32. Vishakhapatnam | Andhra Pradesh |
| 33. Wadibunder (Mumbai) | Maharashtra |
| 34. Chinchwad (Pune) | Maharashtra |
| 35. Bhandup (Mumbai) | Maharashtra |
| 36. J.N Port (formerly Jawaharlal Nehru (Mumbai)) | Maharashtra |
| 37. Mulamd (Mumbai) | Maharashtra |
| 38. Nava Seva (Mumbai) | Maharashtra |
| 39. Jalgaon | Maharashtra |
| 40. Aurangabad | Maharashtra |
| 41. Nagpur | Maharashtra |
| 42. Dronagiri | Maharashtra |
| 43. Miraj | Maharashtra |
| 44. Whitefield (Bangalore) | Karnatka |
| 45. Coimbatore | Tamil Nadu |

| | |
|--|-----------------|
| 46. Minjur (Chennai) | Tamil Nadu |
| 47. Virugambakkam | Tamil Nadu |
| 48. Numbal (Chennai) | Tamil Nadu |
| 49. Tiruvottiyur (Chennai) | Tamil Nadu |
| 50. Manali (Chennai) | Tamil Nadu |
| 51. Tirupur | Tamil Nadu |
| 52. Tuticorin | Tamil Nadu |
| 53. Salem | Tamil Nadu |
| 54. Singanallur | Tamil Nadu |
| 55. Kolkata | West Bengal |
| 56. Siliguri | West Bengal |
| 57. Malanpur (Gwalior) | Madhya Pradesh |
| 58. Indore | Madhya Pradesh |
| 59. Cochin | Kerala |
| 60. Raxaul | Bihar |
| 61. Surajpur | Uttar Pradesh |
| 62. The Thar Dry Port, ICD Sanand, Ahmedabad | Gujarat |
| 63. ICD, Loni | New Delhi |
| 64. Kattupalli | Tamil Nadu |
| 65. Panchi Gujaran, Sonapat | Haryana |
| 66. Dhannad, Indore | Madhaya Pradesh |
| 67. Kheda, Dhar | Madhaya Pradesh |
| 68. Pitampur, Dhar | Madhaya Pradesh |
| 69. Ratlam | Madhaya Pradesh |
| 70. Mandideep, Raisen | Madhaya Pradesh |
| 71. Borkhedi, Nagpur | Maharashtra |
| 72. Tumb (Tal-Umbergaon) | Gujarat |
| 73. Jhattipur, Tehsil Samalkha (Panipat) | Haryana |
| 74. Wardha | Maharashtra |
| 75. KERN ICD Madurai | Tamil Nadu |

Source: Schedule II of Plant Quarantine Order, 18 November 2003 (Sixth Amendment, 2016)

All consignments of seeds and plants for propagation and regulated articles such as live insects, microbial cultures, bio-control agents, soil, growing media (with soil, peat or other organic materials) and peat or sphagnum moss shall only be imported into India through National Plant Quarantine Station, New Delhi or Regional Plant Quarantine Stations, Amritsar, Chennai, Kolkata, Mumbai or Plant Quarantine Station, Bengaluru, or through any other ports of entry as may be notified from time to time for this purpose.

Import of germplasm / transgenic plant material and genetically modified organisms are only permitted entry through New Delhi Airport. (Ref Chapter II, 3 (14))

All consignments of sand in any form for non-agricultural purpose shall be imported into India through National Plant Quarantine Station, New Delhi or Regional Plant Quarantine Stations, Amritsar, Chennai, Kolkata, Mumbai or Plant Quarantine Station, Cochin, Mangalore, Tuticorin and Krishnapatnam.

All consignments of other similar materials like inorganic soil additives, leonardite, lignite, pure sand (silica, zircon, quartz etc.), pure clay like kaolin etc., rock aggregates and gravel, volcanic, pumice, chalk, rock salt, diatomaceous earth, all kinds of ore, vermiculite, perlite, gypsum, zeolite etc., in any form for industrial and non-agricultural purpose and stone (aggregated/dust) for non-agricultural purpose shall be imported into India through the ports

of entry specified in Table 3, 4 and 5 falling within the jurisdiction of the concerned plant quarantine station.

See section 4.1.1 regarding approved ports of entry for import of apples (*Malus* spp.)

2.8 Transit Requirements

Consignments of plants and plant products intended for other countries will not be permitted to transit, or be transhipment at air, sea ports or land customs stations, unless packed in such a manner so as to prevent spillage of the material, or contamination with soil or escape of any pests.

Consignment must not be opened nor have had its seals broken during transit / transhipment. (Ref Chapter II, 3 (19))

2.9 Wood packaging

Refer to Forestry ICPR for India, link below:

<http://www.mpi.govt.nz/law-and-policy/requirements/importing-countries-phytosanitary-requirements/forestry-icprs/india/>

3 Commodity Class Requirements

3.1 Fruit and Vegetables

3.1.1 Fresh Fruit and Vegetables

Conditions:

Import permit not required. Phytosanitary certificate required. Refer Section 2.2.2 and 2.3

3.1.2 Dried Fruit and Vegetables

Conditions:

Import permit not required. Phytosanitary certificate required. Refer Section 2.2.2 and 2.3

3.1.3 Frozen Fruit and Vegetables

Conditions:

Import permit not required. Phytosanitary certificate not required.

3.2 Cut Flowers and Foliage

3.2.1 Fresh Cut Flowers and Foliage

Conditions:

Import permit not required (except for *Rosa* spp. and *Dianthus* spp.). Phytosanitary certificate required. Refer to Sections 2.2.2 and 2.3

3.2.2 Dried Cut Flowers and Foliage

Conditions:

Import permit not required. Phytosanitary certificate required. Refer Section 2.2.2 and 2.3

3.3 Nursery Stock

3.3.1 Whole Plants

Conditions: (*Plants and parts of plants for propagation other than seeds*)

Import permit not required. Phytosanitary certificate required.

3.3.2 Bulbs/tubers/corms/rhizomes (for propagation)

Conditions:

Import permit not required. Phytosanitary certificate required.

3.3.3 Budwood and Cuttings

Conditions:

Import permit not required. Phytosanitary certificate required.

3.3.4 Tissue Culture

Conditions:

Import permit not required. Phytosanitary certificate required.

3.4 Seeds, Grains and Nuts

3.4.1 Seeds, Grains and Nuts for Sowing

Conditions:

Import permit may be required. Phytosanitary certificate required.

3.4.2 Seeds, Grains and Nuts for Consumption

Conditions:

Import permit not required. Phytosanitary certificate required. Refer Section 2.2.2 and 2.3.

3.4.3 Seeds, Grains and Nuts for Processing

Conditions:

Import permit not required. Phytosanitary certificate required. Refer Section 2.2.2 and 2.3.

3.5 Growing Media

Conditions:

Import permit not required. Phytosanitary certificate required.

3.6 Miscellaneous Items

Conditions:

Refer Section 4.5

4 Commodity Specific Requirements

If a commodity or commodity group is not identified within this ICPR, refer to section 1.2.

4.1 Fruit and Vegetables

4.1.1 Fresh Fruit and Vegetables

Conditions:

Refer Section 3.1.1

Actinidia arguta

Kiwiberry

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from *Aspidiotus nerii* (aucuba scale), *Paracoccus caraticus* (Mealy bug), *Pseudococcus calceolariae* (Citrophilus mealy bug), *Botryosphaeria dothidea* (Dothierella rot), *Diaporthe actinidae* (Phomopsis rot), *Diaporthe pernicioso* (Phomopsis canker), and *Phytophthora cryptogea* (Tomato foot rot).”

Actinidia deliciosa and A.chinensis.

Kiwifruit

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from *Aspidiotus nerii* (aucuba scale), *Paracoccus cavaticus* (Mealy bug), *Pseudococcus calceolariae* (Citrophilus mealy bug), *Botryosphaeria dothidea* (Dothierella rot), *Diaporthe actinidae* (Phomopsis rot), *Diaporthe pernicioso* (Phomopsis canker), and *Phytophthora cryptogea* (Tomato foot rot).”

Allium spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Treatment required.

Additional declaration:

“Free from Smut (*Urocystis cepulae*), Dry rot (*Embellisia allii*), Stem bulb nematode (*Ditylenchus dipsaci*), and Onion maggot (*Hylemia antiqua*)”

Treatment:

Fumigation by methyl bromide at 16 gms/cu.m for 12hrs at 21°C and above or equivalent or any other treatment approved by Plant Protection Adviser to the Government of India. Treatment must be endorsed on the phytosanitary certificate.

Malus spp.

Apple

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from *Cydia molesta* (oriental fruit moth), *Cydia pomonella* (Codling moth), *Epiphyas postvittana* (light brown apple moth), *Erwinia amylovora* (fire blight), *Pseudococcus calceolariae* (scarlet mealy bug).”

AND

“It is hereby certified that the product described below is NON-GM origin and does not contain genetically modified organism (GMO) and also not genetically modified”

***The following information 1-4 MUST also be included under the ‘Additional Official Phytosanitary Information’ section of the phytosanitary certificate for all consignments departing New Zealand as of 1 March 2021:**

1. Invoice number: {insert invoice number}

Note: This is the number on the commercial invoice received from the customer that is associated with the consignment being imported into India.

2. **Packing company:** {insert 'Same as the exporter'}
OR
Packing company: {insert packing company name and address}

Note: If the packing company is the same as the exporter, write 'Same as the exporter'. Or, if the packing company is different to the exporter, write the packing company's name and address.

3. **Best before date:** {insert month YYYY}

Note: This is the date (month and year only) up to which the apples remain fully marketable and retains qualities which it is understood to have. The best before date must not be within 3 months of arrival into India.

4. **Lot/Batch number:** {insert unique identification number(s)}

Note: For the purposes of meeting this requirement, please provide unique identification number(s) for product in the consignment. This number must be on the consignment.

Note:

The import of apples is approved through:

1. both sea ports and airports in Kolkata, Chennai, Mumbai & Cochin; and
2. land ports & airports in Delhi.

Note: The import of apples is also allowed through India's land borders

Persea americana

Avocado

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Free from *Linepithema humile* (Argentine ant) and *Phytophthora cryptogea* (tomato foot rot)"

Pyrus spp.

Pear

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required

Additional declaration:

"Free from *Cydia molesta* (oriental fruit moth), *Cydia pomonella* (Codling moth), *Epiphyas postvittana* (light brown apple moth), *Erwinia amylovora* (fire blight), *Pseudococcus calceolariae* (scarlet mealy bug)"

Prunus spp.

Stonefruit (Plum, Peach, Cherry, Apricot, and Nectarines)

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Free from Oriental fruit moth (*Cydia molesta*), Gypsy moth (*Lymantria dispar*), Mediterranean fruit fly (*Ceratitis capitata*), Manchurian fruit moth (*Cydia inopinata*), Cherry fruitworm (*C. packardii*), Plum moth (*C. prunivora*), Cherry fruit fly (*Rhagoletis* spp.), Peach fruit moth (*Carposina niponensis*), and Queensland fruit fly (*Bactrocera tryoni*)"

AND

"Mediterranean fruit fly (*Ceratitis capitata*) and Cherry fruit fly (*Rhagoletis* spp.) are not known to occur in New Zealand"

Vitis spp.

Grape

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Pest free area status for *Bactrocera tyroni* (Queensland fruit fly) and *Ceratitis capitata* (Mediterranean fruit fly).

Additional declaration:

"Free from *Aspidiotus nerii* (aucuba scale), *Calepitrimerus vitis* (grape leaf rust mite), *Epiphyas postvittana* (light brown apple moth), *Frankliniella occidentalis* (Western flower thrips), *Panonychus citri* (citrus red mite), *Pseudococcus calceolariae* (scarlet mealybug), *Pseudococcus longispinus* (long-tailed mealybug)"

And

"Queensland fruit fly (*Bactrocera tyroni*) and Mediterranean fruit fly (*Ceratitis capitata*) are not known to occur in New Zealand"

4.1.2 Dried Fruit and Vegetables

Conditions:

Refer Section 3.1.2

Prunus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Treatment required.

Additional declaration:

"Free from Mediterranean flour moth (*Ephestia kuehniella*), Apricot chalcid, *Ephestia elutella* (Tobacco moth), *Plodia interpunctella* (Indian meal moth)."

Treatment:

Fumigation with Methyl bromide at 16gm/cu. m for 24hrs at 21°C and above under natural atmospheric pressure (NAP). Alternative treatments must be approved by the Plant Protection Adviser in India for this purpose. Treatment must be endorsed upon the phytosanitary certificate.

4.1.3 Frozen Fruit and Vegetables

Conditions:

Refer Section 3.1.3

4.2 Cut Flowers and Foliage

4.2.1 Fresh Cut Flowers and Foliage

Conditions:

Refer Section 3.2.1

Anthurium spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Free from Bacterial blight (*Xanthomonas axonopodis* pv. *dieffenbachiae*)"

Dianthus spp.

Conditions:

Import permit required. Phytosanitary certificate and additional declaration required. Crop inspection and certification for free Arabis mosaic virus.

Additional declaration:

“Free from rust (*Uromyces dianthi*), smut (*Sorosporium spaonariae*), downy mildew (*Peronospora dianthi*, *P.dianthicola*), *Ditylenchus dipsaci* (stem and bulb nematode) and arabis mosaic virus (hob barebine)”

AND

“Free from quarantine weed seeds.”

Rosa spp.

Conditions:

Import permit required. Phytosanitary certificate required.

4.2.2 Dried Cut Flowers and Foliage

Conditions:

Refer Section 3.2.2

Humulus spp.

Dried flower cones (hops) in bales

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. The refuse collected from the mill and the jute bags that are used for packing should be destroyed by incineration.

Additional declaration:

“Free from Hops cyst nematode (*Heterodera humuli*)”

Treatment:

Heat treatment at 63 °C for 6 hours.

4.3 Nursery Stock

Conditions:

Refer Section 3.3

4.3.1 Whole Plants

Allamanda spp.

Conditions:

Import permit not required. Phytosanitary certificate required. Post entry quarantine of 45 days required.

Amygdalus spp.

Conditions: (Cuttings/ Saplings/Budwood for planting or propagation)

Import permit not required. Phytosanitary certificate and additional declaration required. Post entry quarantine for a period of 1-2 years. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from fireblight (*Erwinia amylovora*), Crown gall (*Agrobacterium tumefaciens*), Hairy root (*A. rhizogenes*), Apple and pear rusts (*Gymnosporangium* spp.) non asiatic, Apple chlorotic leaf spot, apple mosaic, apple scar skin, apple stem grooving viruses, Seed chalcid (*Megastigmus spermotrophus*) and Viruses/phytoplasmas affecting Pomidae”

Anthurium spp. & other aroids (*Dieffenbachia*, *Caladium*, *Syngonium* *Aglaonema* *Spathiphyllum*, *Monstera* *Phylodendron*)

Conditions: (Cuttings/saplings)

Import permit not required. Phytosanitary certificate and additional declaration required. Post entry quarantine of 45-60 days required.

Additional declaration:

"Free from Bacterial blight (*Xanthomonas axonopodis* pv. *dieffenbachiae*)"

Bougainvillea spp.

Conditions:

Import permit not required. Phytosanitary certificate required. Post entry quarantine of 45 days required.

Cacti Plants

Conditions: (for propagation)

Import permit not required. Phytosanitary certificate and additional declaration required. Post entry quarantine of 45-60 days required.

Additional declaration:

"Free from Cactus cyst nematode (*Cactodera cactii*), Cactus virus X. & 2 (Carlavirus)"

AND

"Free from soil"

Callistemon spp.

Conditions: (Plant /Cuttings for propagation)

Import permit not required. Phytosanitary certificate required. Post entry quarantine of 45 days required.

Cydonia spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Post entry quarantine for a period of 1-2 years. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Free from fireblight (*Erwinia amylovora*), Crown gall (*Agrobacterium tumefaciens*), Hairy root (*A. rhizogenes*), Apple and pear rusts (*Gymnosporangium* spp.) non asiatic, Apple chlorotic leaf spot, apple mosaic, apple scar skin, apple stem grooving viruses, Seed chalcid (*Megastigmus spermotrophus*) and Viruses/phytoplasmas affecting Pomidae"

Dianthus spp.

Carnation

Conditions: (Cuttings/Saplings for planting or propagation)

Import permit not required. Phytosanitary certificate and additional declaration required. Post entry quarantine of 45-60 days required.

Additional declaration:

"Free from Bacterial wilt and stem cracking (*Burkholderia caryophylli*), Slow wilt (*Erwinia chrysanthemi* pv.*dianthicola*), Rust (*Uromyces dianthi*), Smut (*Sorosporium spaonariae*) Downy mildew (*Peronospora dianthi*, *P.dianthicola*), Carnation viruses viz. latent, mottle virus."

Ficus spp.

Conditions:

Import permit not required. Phytosanitary certificate required. Post entry quarantine of 45 days required.

Humulus spp.

Hops

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for a period of 6 months.

Additional declaration:

"Free from downy mildew (*Pseudoperonospora humuli*), hops cyst nematode (*Heterodera humuli*) and hop viruses"

AND

"Free from soil"

Ipomoea spp.

Sweet potato

Conditions:

Prohibited

Malus spp.

Apple

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for a period of 1-2 years required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Free from fireblight (*Erwinia amylovora*), Crown gall (*Agrobacterium tumefaciens*), Hairy root (*A. rhizogenes*), Apple and pear rusts (*Gymnosporangium* spp.) non asiatic, apple scar skin, apple stem grooving viruses, Seed chalcid (*Megastigmus spermotrophus*) and Viruses/phytoplasmas affecting Pomidae"

Orchidaceae

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for a period of 45-60 days required.

Additional declaration:

"Free from Bacterial leaf spots (*Burkholderia gladioli* pv. *gladioli* & *Erwinia chrysanthemi*), Blossom blight *Phyllostica capitalensis*), and Orchid viruses such as vanilla necrosis, Odontoglossum ring spot and orchid fleck etc"

Pelargonium spp.

Pelargonium

Conditions: (Seeds/Cuttings/Saplings for planting or propagation)

Import permit not required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for a period of 45-60 days required.

Additional declaration:

"Free from Bacterial spot (*Xanthomonas campestris* pv. *pellargonii*), Pelargonium viruses viz. flower break virus, leaf curl virus, vein clearing virus and zonate spot virus"

Polypodium spp.

Conditions:

Import permit not required. Phytosanitary certificate required. Post-entry quarantine for 45 days required.

Pyrus spp.

Pear

Conditions: (Cuttings / Saplings / Bud wood for planting or propagation)

Import permit required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for a period of 1-2 years required. Commercial imports subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Free from fire blight (*Erwinia amylovora*), Crown gall (*Agrobacterium tumefaciens*), Hairy root (*A. rhizogenes*), Apple and pear rusts (*Gymnosporangium* spp.) non Asiatic, , , apple scar skin, apple stem grooving viruses, Seed chalcid (*Megastigmus spermotrophus*) and

Viruses/phytoplasmas affecting Pomidae”

Ribes spp.

Conditions: (Cuttings (rooted/un-rooted)/Budwood/Grafts/Saplings.)

Import permit not required. Phytosanitary certificate required. Treatment required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 9-12 months required.

Additional declaration:

Free from American (gooseberry) mildew (*Sphaerotheca morsuvae*), European (gooseberry) mildew (*Microsphaeria graminariae*), Leaf spot (Anthracnose) (*Pseudopeziza ribis*), Cluster cup rust (*Puccinia pringsheimiana*), Black pustule (*Plowrightia ribesia*), Cane blight (*Botryosphaeria ribis*), Viruses viz., black current reversion, gooseberry vein banding, raspberry ring spot, arabis mosaic, and strawberry latent ring spot.

AND

“Free from soil”

Treatment:

Dormant cuttings must be appropriately treated or fumigated at the country of origin prior to shipment and the treatment shall be endorsed on phytosanitary certificate.

Rosa spp.

Rose

Conditions:

Import permit not required. Phytosanitary certificate required. Post-entry quarantine for a period of 18 months required.

Additional declaration:

“Free from Crown gall (*Agrobacterium tumefaciens*), Hairy root (*A. rhizogenes*), Brand canker (*Coniothyrium wernsdorffiae*), Brown canker (*Cryptosporella umbrina*), Downy mildew (*Peronospora sparsa*), Rust (*Phragmidium* spp.), Rose streak virus, Rose wilt virus”

Rubus spp.

Raspberry

Conditions: (Cuttings (rooted/un-rooted)/Budwood/Grafts/Saplings.)

Import permit not required. Phytosanitary certificate required. Treatment required. Commercial imports are subject to prior approval of Indian Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 9-12 months required. Additional

declaration:

“Free from Crown gall (*Agrobacterium tumefaciens*), Hairy root (*A. rhizogenes*), Rusts (*Gymnoconia nitens*, *Kuehneola uredinalis*, *Phragmedium bulbosum*, *P. rubi-idaeli*, *P. violacearum* & *Pucciniastrum americanum*), Downy mildew (*Peronospora rubi*), Straw berry weevils (*Anthonomus signatus* & *A. bisignifer*), Viruses such as raspberry ring spot, leaf mottle, leaf spot, bushy dwarf, leaf curl, raspberry (black) necrosis, vein chlorosis & yellow dwarf, arabis mosaic and straw berry shoestring”

AND

“Free from soil.”

Treatment:

Dormant cuttings must be appropriately treated or fumigated at the country of origin prior to shipment and the treatment shall be endorsed on phytosanitary certificate.

Vaccinium spp.

Blueberry

Conditions: (Cuttings rooted/unrooted / Grafts/Bud wood/Saplings for planting)

Import permit not required. Phytosanitary certificate required. Treatment required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 9-12 months required. Additional

declaration:

“Free from Leaf rust (*Pucciniastrum myrtilli*), Red leaf (*Exobasidium vaccinii*), Red gall

(*Synchytrium vaccinii*), Witches' broom (*Pucciniastrum goeppertianum*), Straw berry weevils (*Anthonomus signatus* & *A. bisignifer*), Blue berry viruses viz., blue berry mosaic, shoe-string, red (necrotic) ring spot, leaf mottle, peach rosette and tomato ring spot, Phytoplasmas (blueberry stunt, witches'broom and cranberry false blossom)"

AND

"Free from soil"

Treatment:

Dormant cuttings must be appropriately treated or fumigated at the country of origin prior to shipment and the treatment shall be endorsed on phytosanitary certificate.

Vitis spp.

Grapevine

Conditions: (Rooted stock/ Bud wood (Stem cuttings) /Saplings

Import permit not required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for one year required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Free from Grapevine Phylloxera or vine louse (*Viteus vitifoliae*, syn. *Daktulosphaira vitifoliae*), Rust (*Phakopsora vitis*), Dead arm (*Cryptosporella viticola* syn. *Phomopsis viticola*), Crown gall (*Agrobacterium vitis*), Gummosis (*Pantoea agglomerans*), Hairy root (*Agrobacterium rhizogenes*), Pierce's disease (*Xylella fastidiosa*), Bacterial necrosis (*Xylophilus ampelinus*), Grapevine viruses: Luteovirus, Nepovirus, Closterovirus, Trichovirus, Potyvirus"

4.3.2 Bulbs/tubers/corms/rhizomes (for propagation)

Allium spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Free from smut (*Urocystis cepulae*), slippery skin (*Pseudomonas cepacia*), dry rot (*Embellisia alli*), marginal necrosis (*Pseudomonas marginalis* pv. *marginalis*), pod and stem blight (*Phomopsis longicolla*), stem and bulbs nematode (*Ditylenchus dipsaci*), onion maggot (*Hylemia antiqua*)"

AND

"Free from soil."

Dahlia spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for one growth season required.

Additional declaration:

"Free from viruses affecting dahlia except dahlia mosaic virus"

AND

"Free from soil."

Gladiolus spp.

Conditions: (Corms for propagation or planting)

Import permit not required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for one growth season required.

Additional declaration:

"Free from smut (*Urocystis gladiolicola*), rusts (*Uromyces gladioli* & *U. transversalis*) corm rot (*F. oxysporum* f.sp. *gladioli*), hard rot (*Septoria gladioli*), scab & neck rot (*Burkholderia marginalis*), base rot (*Burkholderia gladioli* pv. *gladioli*)"

AND
"Free from soil."

Heliconia spp.

Conditions: (Rhizomes for propagation)

Import permit not required. Phytosanitary certificate and additional declaration required.
Treatment required. Post-entry quarantine for one growth season required.

Additional declaration:

"Free from moko wilt (*Burkholderia solanacearum* Race 2)"

Hyacinthus spp.

Conditions: (Bulbs for propagation or planting)

Import permit not required. Phytosanitary certificate and additional declaration required.
Treatment required. Post-entry quarantine for one growth season required.

Treatment:

Hot-water treatment of bulbs at 45 °C for 4 hrs followed by suitable fungicidal treatment and the treatment shall be endorsed on the phytosanitary certificate.

Or

Treatment with Methyl Bromide @ 32 g/m³ for 2 ½ hrs at 21 °C or above under NAP or equivalent or any other treatment specified by the Plant Protection Adviser.

Additional declaration:

"Free from bacterial blight or yellow slime (*Xanthomonas hyacinthi*), hyacinth mosaic virus (*Potyvirus*), stem & bulb nematode (*Ditylenchus dipsaci*)"

AND

"Free from soil."

Iris spp.

Bulbous and rhizomatous varieties

Conditions: Bulbs/ rhizomes for planting or propagation

Import permit not required. Phytosanitary certificate and additional declaration required.
Treatment required. Post-entry quarantine for one growth season required.

Additional declaration:

"Free from fusarial rot (*Fusarium oxysporum* f.sp. *gladioli*), stem and bulb nematode *Ditylenchus dipsaci*, sclerotinia rot (*Sclerotinia bulborum*), iris virus (*Potyvirus*)"

AND

"Free from soil."

Treatment:

Hot-water treatment of bulbs at 45 °C for 4 hrs followed by suitable fungicidal treatment and the treatment shall be endorsed on the phytosanitary certificate.

Or

Treatment with Methyl Bromide @ 32 g/m³ for 2 ½ hrs at 21 °C or above under NAP or equivalent or any other treatment specified by the Plant Protection Adviser.

Lilium spp.

Conditions: (Bulbs for planting)

Import permit not required. Phytosanitary certificate and additional declaration required.
Post-entry quarantine for one growth season required.

Additional declaration:

"Free from Fusarium wilt (*Fusarium oxysporum* f.sp. *lilii*), Anthracnose (*Colletotrichum lilii*), Bacterial leaf spot (*Burkholderia gladioli* pv. *gladioli*), Lilly viruses (lilly rosette, lilly symptom less, tulip breaking and lilly curl stripe)"

AND

“Free from soil.”

Lotus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.
Post-entry quarantine for 45 days required.

Additional declaration:

“Free from soil.”

Narcissus spp.

Conditions: (Bulbs for planting)

Import permit not required. Phytosanitary certificate and additional declaration required.
Treatment required. Post-entry quarantine for one growth season required.

Additional declaration:

“Free from basal rot (*Fusarium oxysporum f. sp. narcissi*), stem and bulb nematode (*Ditylenchus dipsaci*), Narcissus fire (*Botryotinia polyblastis*), leaf scorch (*Stagnospora curtissi*), Narcissus bulb flies (*Merodona equestris*, *Eumerus strigatus* & *E. tuberculatus*), Narcissus viruses”

AND

“Free from soil.”

Treatment:

Hot-water treatment of bulbs at 45 °C for 4 hrs followed by suitable fungicidal treatment and the treatment shall be endorsed on the phytosanitary certificate.

Or

Treatment with Methyl Bromide @ 32 g/m³ for 2 ½ hrs at 21 °C or above under NAP or equivalent or any other treatment specified by the Plant Protection Adviser.

Tulipa spp.

Tulip

Conditions: (Bulbs for planting)

Import permit not required. Phytosanitary certificate and additional declaration required.
Treatment required. Post-entry quarantine for one growth season required.

Additional declaration:

“Free bulb and stem nematode (*Ditylenchus dipsaci*), yellow pustule & hellfire *Curtobacterium flaccumfaciens* pv. *oortii*), tulipa viruses viz. band breaking, chlorotic blotch, virus x and other seed borne viruses”

AND

“Free from soil.”

Treatment:

Hot-water treatment of bulbs at 45 °C for 4 hrs followed by suitable fungicidal treatment and the treatment shall be endorsed on the phytosanitary certificate.

Or

Treatment with Methyl Bromide @ 32 g/m³ for 2 ½ hrs at 21 °C or above under NAP or equivalent or any other treatment specified by the Plant Protection Adviser.

Zantedeschia spp.

Calla lily

Conditions: (Corms for propagation or planting)

Import permit not required. Phytosanitary certificate and additional declaration required.
Post-entry quarantine for one growth season required.

Additional declaration:

“Free from bacterial leaf spot (*Xanthomonas campestris* pv. *zantedeschiae*), Zantedeschia mosaic virus”

AND

“Free from soil.”

Zingiber mioga

Ornamental Zinger

Conditions: (Rhizomes for propagation)

Import permit not required. Phytosanitary certificate and additional declaration required.

Treatment required. Post-entry quarantine for one growth season required.

Additional declaration:

“Free from leaf blight (*Xanthomonas campestris* pv. *zingibericola*)”

AND

“Free from soil.”

4.3.3 Budwood and Cuttings

Conditions:

Refer Section 3.3.1 and 4.3 as appropriate

Carissa carandas

Karonda

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Post entry quarantine growing for 6-9 months except for research.

Additional declaration:

“Free from soil.”

Chrysanthemum spp.

Chrysanthemum

Conditions: (Cuttings (rooted/un-rooted) for planting)

Import permit not required. Phytosanitary certificate and additional declaration required.

Post-entry quarantine for a period of 45-60 days required.

Additional declaration:

“Free from Fasciation (*Rhodococcus fascians*), Foliar nematodes (*Aphelenchoides fragariae*, *A. ritzemabosi*), Stem and bulb nematode (*Ditylenchus dipsaci*), South American leaf miner (*Liriomyza huidobrensis*), Burdock leaf miner (*Amauromyza maculosa*), White rust (*Puccinia horiana*), Ray blight & stem canker (*Didymella ligulicola*, syn. *Ascochyta chrysanthemi*), Bacterial leaf blight (*Pseudomonas viridiflava*), Chrysanthemum viruses viz. chlorotic mottle, stunt, vein chlorosis, virus B.”

Durio zibethinus

Durian

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture, Cooperation and Farmers Welfare. Post-entry quarantine for a period of 6-9 months required.

Additional declaration:

“Free from Soil”

Garcinia mangostana

Mangosteen

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture, Cooperation and Farmers Welfare. Post-entry quarantine for a period of 6-9 months required.

Additional declaration:

“Free from Soil”

Macadamia ternifolia

Macadamia nut

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 6-9 months required.

Additional declaration:

"Free from soil."

Nephelium lappaceum

Rambutan

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 6-9 months required.

Additional declaration:

"Free from soil."

Passiflora edulis

Passion fruit

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 6-9 months required.

Additional declaration:

"Free from *Pantomorus cerviniae*, *Pseudomonas passiflora*, *Pseudomonas viridiflava*, Passion fruit woodiness virus"

AND

"Free from soil."

Persea americana

Avocado

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 6-9 months required.

Additional declaration:

"Free from *Ceroplastes destructor* (wax scale), *Epiphyas postvittana* (light brown apple moth), *Pantomorus cervinus* (rose beetle), *Phytophthora cryptogea* (foot rot)."

AND

"Free from soil."

Prunus spp.

Summerfruit

Conditions:

Import permit not required. Phytosanitary certificate required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 1-2 years required.

Additional declaration:

"Free from crown gall (*Agrobacterium tumefaciens*), hairy root (*A. rhizogenes*), bacterial die back of peach (*Pseudomonas syringae* pv. *persicae* syn. *P. morsprunorum*), black knot (*Dibotrya morbosum*), gummosis (*Eutypa armeniaceae*), brown rot (*Monilinia fructicola* (American strain), blossom blight & fruit rot (*M. laxa*), scab (*Venturia cerasi*, *V. carpophila*), cherry leaf spot (*Blumeriella jaapii*), plum weevil (*Conotrachelus menuphar*), stone viruses viz., prunus virus S"

Treatment:

Plant cuttings shall be appropriately fumigated or treated against insect infestation prior to dispatch at the country of origin and the treatment shall be endorsed on phytosanitary certificate.

Ribes spp.

Conditions:

Import permit not required. Phytosanitary certificate required. Treatment required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 9-12 months required.

Additional declaration:

Free from American (gooseberry) mildew (*Sphaerotheca morsuvae*), European (gooseberry) mildew (*Microsphaeria grassulariae*), leaf spot (Anthracnose) (*Pseudopeziza ribis*), cluster cup rust (*Puccinia pringsheimiana*), black pustule (*Plowrightia ribesia*), cane blight (*Botryosphaeria ribis*), viruses viz., black current reversion, gooseberry vein banding, raspberry ring spot, arabis mosaic, and strawberry latent ring spot.

AND

“Free from soil.”

Treatment:

Dormant cuttings must be appropriately treated or fumigated at the country of origin prior to shipment and the treatment shall be endorsed on phytosanitary certificate.

Syzygium cuminii

Jamun

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post entry quarantine growing for 6-9 month except for research.

Additional declaration:

“Free from soil and quarantine weed seeds.”

4.3.4 Tissue Culture

Conditions:

Refer Section 3.3.4

Agapanthus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Certified that the tissue cultured plants were obtained from mother stock tested and maintained free from nerine X potexvirus.”

Allium spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Certified that the tissue cultured plants were obtained from mother stock tested and maintained free from leek yellow stripe virus.”

Amaryllis spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Certified that the tissue cultured plants were obtained from mother stock tested and maintained free from virus”

Amygdalus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Certified that the planting material is obtained from mother stock tested and maintained free from viruses and phytoplasmas affecting Pomidae"

Anthurium spp. & other aroids (*Dieffenbachia*, *Caladium*, *Syngonium*, *Aglaonema*, *Spathiphyllum*, *Monstera*, *Phylodendron*)

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Certified that the tissue cultured plants produced from mother stock tested and maintained virus free"

Cordyline spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Tissue culture obtained from mother stock tested and maintained free from viruses"

Cydonia spp.

Conditions:

Import permit not required. Phytosanitary certificate required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Certified that the planting material is obtained from mother stock tested and maintained free from viruses and phytoplasmas affecting Pomidae"

Dendranthemum spp.

Chrysanthemum

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Certified that the tissue-cultured plants obtained from mother stock tested and maintained free from carnation rhabdo virus".

Dianthus spp.

Carnation

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Certified that the tissue-cultured plants obtained from mother stock tested and maintained free from carnation rhabdo virus"

Gerbera jamesonii

Gerbera

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Certified that the tissue-cultured plants obtained from mother stock tested and maintained free from all virus"

Lilium spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Certified that tissue cultured plants were obtained from mother stock tested and maintained free found virus."

Malus spp.

Apple

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Certified that the planting material is obtained from mother stock indexed/tested and maintained free from viruses and phytoplasmas affecting Pomidae"

Orchidaceae

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Certified that the tissue-cultured plants are obtained from mother stock tested and maintained virus- free"

Petunia spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Tissue cultured plants obtained from mother stock tested and maintained free from virus"

Prunus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Certified that the tissue-cultured plants obtained from mother stock tested/indexed and maintained virus- free"

Pyrus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Certified that the planting material is obtained from mother stock indexed/tested and maintained free from viruses and phytoplasmas affecting Pomidae"

Rheum spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Certified that the tissue cultured plants were obtained from mother stock tested and maintained free from Arabis mosaic nepovirus and Cherry leaf roll nepovirus"

Ribes spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Certified that the tissue-cultured plants are obtained from mother stock tested/indexed and maintained virus- free”

Rubus spp.

Conditions:

Import permit not required. Phytosanitary certificate required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Certified that the tissue-cultured plants are obtained from mother stock tested/indexed and maintained virus- free”

Senecio spp.

Senecio

Except: *Senecio jacobaea* syn. *Jacobaea vulgari*, *Senecio inaequidens*, *Senecio madagascariensis*

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Certified that the tissue cultured plants were obtained from mother stock tested and maintained free from potato virus Y”

Syringa spp.

Lilac

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Certified that the tissue cultured plants were obtained from mother stock tested and maintained free from Arabis mosaic nepovirus

Vaccinium spp.

Blueberry

Conditions:

Import permit not required. Phytosanitary certificate required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Certified that the tissue-cultured plants are obtained from mother stock tested/indexed and maintained virus- free”

Vitis spp.

Grapevine

Conditions: (Rooted stock/ Bud wood (Stem cuttings) /Saplings

Import permit not required. Phytosanitary certificate and additional declaration required. Post-entry quarantine for one year required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from grapevine *Phylloxera* or vine louse (*Viteus vitifoliae*, syn. *Daktulosphaira vitifoliae*), rust (*Phakopsora vitis*), dead arm (*Cryptosporella viticola* syn. *Phomopsis viticola*), crown gall (*Agrobacterium vitis*), gummosis (*Pantoea agglomerans*), hairy root (*Agrobacterium rhizogenes*), Pierce’s disease (*Xylella fastidiosa*), bacterial necrosis (*Xylophilus ampelinus*), Grapevine viruses: *Luteovirus*, *Nepovirus*, *Closterovirus*, *Trichovirus*, *Potyvirus*”

Zantedeschia spp.

Calla lily

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Certified that tissue cultured plants were obtained from mother stock tested and maintained free from virus.”

4.4 Seeds, Grains and Nuts

4.4.1 Seeds, Grains and Nuts for Sowing

Conditions:

Refer Section 3.4.1

Allium spp.

Conditions: (Seeds and bulbs for sowing or planting)

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from smut (*Urocystis cepulae*), slippery skin (*Pseudomonas cepacia*), dry rot (*Embellisia allii*), marginal necrosis (*Pseudomonas arginalis* pv. *marginalis*), pod and stem blight (*Phomopsis longicolla*), stem and bulbs nematode (*Ditylenchus dipsaci*), onion maggot (*Hylemia antiqua*)”

AND

“Free from soil.”

Bellis spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional Declaration:

“Free from Arabis mosaic virus”

Beta vulgaris

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from downy mildew (*Peronospora farinosa*), silvering disease (*Curtobacterium flaccumfaciens* pv. *betae*), bacterial blight (*Pseudomonas syringae* pv. *aptata*), beet cyst nematode (*Heterodera schachtii*), beetroot rust (*Uromyces* spp.), beetroot yellows necrotic virus (rhizomania)”

AND

“Free from soil.”

Brassica spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from *Leptosphaeria maculans* (black leg), *Pseudomonas viridiflava* (bacterial leaf blight of tomato), *Pseudomonas syringae* pv. *maculicola* (bacterial leaf spot) *Xanthomonas campestris* pv. *campestris* (black rot).”

AND

“Free from quarantine weed seeds.”

Callistemon spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from quarantine weed seeds.”

Capsicum spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Crop inspection and certification for free from Pepper viruses viz. mild mosaic and mild mottle, Tomato ringspot virus and Tomato black ring virus

Additional declaration:

Free from Bacterial scab (*Xanthomonas vesicatoria*), Pepper viruses viz. mild mosaic and mild mottle. *Peronospora hyoscyami* sp. *tabacina*, Tomato ringspot virus, Tomato black ring virus.”

AND

“Free from quarantine weed seeds”

Carissa carandas

Karonda

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Post entry quarantine growing for 6-9 months except for research.

Additional declaration:

“Free from soil.”

Cichorium spp.

Chicory & Endive

Except: *Cichorium spinosum* and *Cichorium pumilum*

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from bacterial blight (*Pseudomonas cichorii*), bidens mottle virus, chicory yellow mottle virus, anthracnose (*Marssonina panottoniana*)”

AND

“Free from quarantine weed seeds”

Cicer arietinum

Chick Pea

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from pod & stem blight (*Phomopsis longicolla*)”

Citrullus lanatus

Watermelon

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Crop inspection and certification for free from watermelon viruses viz. chlorotic stunt, curly mottle, mosaic virus 2, *Verticillium albo-atrum*, squash mosaic virus.

Additional declaration:

“Free from bacterial fruit blotch (*Acidovorax avenae* sub sp. *citrulli*), angular leaf spot (*Pseudomonas syringae* pv. *lachrymans*), soft rot (*Xanthomonas melonis*), watermelon viruses viz. chlorotic stunt, curly mottle, mosaic virus 2, *Verticillium albo-atrum*, squash mosaic virus”

AND

"Free from quarantine weed seeds."

Coriandrum sativum

Coriander

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.
Seed crop inspection and certification for free from Celery mosaic virus.

Additional declaration:

"Free from *Pseudomonas viridiflava* and Celery mosaic virus"

AND

"Free from quarantine weed seeds."

Cucumis sativus

Cucumber and related species

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Crop inspection and certification for free from cucumber seed-borne virus and squash mosaic virus.

Additional declaration:

"Free from fusarial wilts (*Fusarium oxysporum* f.sp. *cucumerinum*, black spot (*Phomopsis sclerotoides*), septoria leaf spot (*Septoria cucurbitarum*), cucumber seed-borne viruses viz. leaf spot, *Verticillium albo-atrum*, squash mosaic virus"

AND

"Free from quarantine weed seeds."

Cucurbita spp.

Cucurbita maxima

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Free from *Pseudomonas viridiflava* (bacterial leaf blight of tomato (USA)), Arabis mosaic virus (hop barebine), Squash mosaic virus (squash mosaic) and Zucchini yellow mosaic virus.

AND

"Free from quarantine weed seeds and soil."

AND

"Crop inspection and certification for free from Arabis mosaic virus (hop barebine), Squash mosaic virus (squash mosaic) and Zucchini yellow mosaic virus."

Daucus carota

Carrot

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Free from bacterial blight (*Xanthomonas hortorum* pv. *carotae*), carrot viruses (mottle dwarf, red leaf & yellow leaf)"

AND

"Free from quarantine weed seeds"

AND

"Crop inspection and certification for free from carrot viruses."

Dianthus spp.

Carnation

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Crop inspection and certification for free from Arabis mosaic virus.

Additional declaration:

“Free from rust (*Uromyces dianthi*), smut (*Sorosporium spaonariae*), downy mildew (*Peronospora dianthi*, *P.dianthicola*), *Ditylenchus dipsaci* (stem and bulb nematode) and Arabis mosaic virus (hob barebine)”

AND

“Free from quarantine weed seeds.”

Glycine spp.

Soybean

Conditions:

Import permit not required. Phytosanitary certificate required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

Free from downy mildew (*Peronospora manshurica*), stem canker (*Diaporthe phaseolorum* var. *caulivora*), root and stem rot (*Phytophthora megasperma* var. *sojae*), pod and stem blight (*Phomopsis longicolla*), soybean cyst nematode (*Heterodera glycines*), bacterial wilt (*Curtobacterium flaccumfaciens* pv. *flaccumfaciens*), soybean viruses viz. mosaic, dwarf, crinkle leaf, chlorotic mottle, cucumber mosaic, stunt, poty, tobacco ring spot, tobacco streak, tobacco black ring, Bruchids (*Bruchidius* spp.)”

AND

“Free from soil.”

Helianthus spp.

Sunflower

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Treatment required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from downy mildew (*Plasmopara halstedii*), bruchid (*Bruchidius* spp.), larger Dermestid beetle (*Trogoderma versicolor*)”

Treatment:

Seed treatment with metalaxyl at 2% at the country of origin prior to shipment and the treatment shall be endorsed on phytosanitary certificate.

Hordeum spp.

Barley

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial import of seed for sowing is subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from glume rot (*Pseudomonas syringae* pv. *atrofaciens*), barley stripe mosaic (Hordeivirus), ergot (*Claviceps purpurea*) and granary weevil (*Sitophilus granarius*)”

AND

“Free from quarantine weed seeds.”

Limonia acidissima

Wood Apple

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial import of seed for sowing is subject to prior approval from Department of Agriculture, Cooperation and Farmer Welfare.

Additional declaration:

“Free from quarantine weed seeds.”

Lycopersicon esculentum

Tomato

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Crop inspection and certification for free from pepino mosaic virus, tomato aspermy virus, tomato black ring virus, tomato bushy stunt virus, tomato ring spot virus.

Additional declaration:

"Free from bacterial canker (*Clavibacter michiganensis* sub sp. *michiganensis*), bacterial leaf spot (*Pseudomonas syringae* pv. *tomato*), bacterial pustule (*Pseudomonas syringae* pv. *punctulens*), Potato spindle tuber (viroid), *Peronospora hyoscyami* pv. *Tabacina*, *Phoma andigena*, *Verticillium alboatrum*, *Clavibacter michiganensis* subsp. *Sepedonicus*, pepino mosaic virus, tomato aspermy virus, tomato black ring virus, tomato bushy stunt virus, tomato ring spot virus"

AND

"Free from quarantine weed seeds."

Medicago spp.

Lucerne

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Consignments must be free from quarantine weed seeds. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

"Free from yellow leaf blotch (*Pyrenopeziza medicaginis*), Sclerotinia wilt (*Sclerotinia trifoliorum*), bacterial wilt (*Corynebacterium michiganense* pv. *insidiosum*) and alfalfa cryptic virus"

Origanum spp.

Conditions:

Import permit not required. Phytosanitary certificate required and consignments must be free from quarantine weed seeds.

Petunia spp.

Conditions:

Import permit not required. Phytosanitary certificate required. Crop inspection and certification for free from arabis mosaic nephro virus required.

Additional declaration:

"Free from arabis mosaic nephro virus"

AND

"Free from quarantine weed seeds."

Phaseolus spp.

Beans

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

"Free from scab (*Elsinoe phaseoli*), downy mildew of lima bean, (*Phytophthora phaseoli*), pod and stem blight (*Phomopsis longicolla*), bacterial wilt (*Curtobacterium flaccumfaciens* pv. *flaccumfaciens*), bean bruchid (*Acanthoscelides obtectus*)"

AND

"Free from quarantine weed seeds."

Phoenix spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from soil and quarantine weed seeds.”

Pisum spp.

Pea

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Treatment required. Consignments must be free from soil and quarantine weed seeds.

Additional declaration:

“Free from pod and stem blight (*Phomopsis logicolla*), stem and bulb nematode (*Ditylenchus dipsaci*), pea cyst nematode (*Heterodera goettingiana*), bruchids (*Bruchidius* spp., *Specularis impressithorax*), pea viruses viz. early-browning, enation mosaic, green mottle)”
AND

“Free from soil and quarantine weed seeds.”

Treatment:

Seed shall be appropriately treated with suitable fungicide and treatment shall be endorsed on the phytosanitary certificate.

Prunus spp.

Summerfruit

Conditions:

Import permit not required. Phytosanitary certificate required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 1-2 years required.

Additional declaration:

“Free from crown gall (*Agrobacterium tumefaciens*), hairy root (*A. rhizogenes*), bacterial die back of peach (*Pseudomonas syringae* pv. *persicae* syn. *P. morsprunorum*), black knot (*Dibotrya morbosum*), gummosis (*Eutypa armeniaceae*), brown rot (*Monilinia fructicola* (American strain), blossom blight & fruit rot (*M. laxa*), scab (*Venturia cerasi*, *V. carpophila*), cherry leaf spot (*Blumeriella jaapii*), plum weevil (*Conotrachelus menuphar*), stone viruses viz. prunus necrotic ring spot, prunus virus S”

Treatment:

Plant cuttings shall be appropriately fumigated or treated against insect infestation prior to dispatch at the country of origin and the treatment shall be endorsed on phytosanitary certificate. The stones (seeds) must be treated with a suitable fungicide

Raphanus sativus

Raddish

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from *Pseudomonas viridiflava* (bacterial leaf blight of tomato)”

AND

“Free from quarantine weed seeds”

Rubus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 9-12 months required.

Additional declaration:

“Free from seed-borne viruses such as raspberry ring spot, arabis mosaic and straw berry latent ring spot”

Ribes spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Post –entry quarantine for period of 9-12 months. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from seed-borne viruses such as raspberry ring spot, arabis mosaic and strawberry latent ring spot”

Sorghum spp.

Sorghum

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from bacterial blight (*Burkholderia andropogoni*), bacterial leaf streak (*Xanthomonas vasicola* pv. *holcicola*), milo disease (*Periconia circinata*), striga weed (*Striga harmonthica*), sorghum viruses viz. chlorotic spot mosaic”.

Syzygium cuminii

Jamun

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from quarantine weed seeds”

Tamarindus spp.

Tamarind

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial import of seed for sowing is subject to prior approval from Department of Agriculture, Cooperation and Farmer Welfare.

Additional declaration:

“Free from quarantine weed seeds.”

Trifolium alexandrinum

Berseem clovers

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from northern anthracnose (*Kabatiella caulivora*), stem and bulb nematode (*Ditylenchus dipsaci*), sclerotinia wilt (*Sclerotinia trifoliorum*)”
AND

“Free from soil and quarantine weed seeds.”

Vaccinium spp.

Blueberry

Conditions:

Import permit not required. Phytosanitary certificate required. Commercial imports are subject to prior approval from the Indian Department of Agriculture and Cooperative (DAC). Post-entry quarantine for a period of 9-12 months required.

Additional declaration:

“Free from mummy berry (*Monilia vacciniicorymbasi*) and viruses affecting blueberry and cranberry such as blue berry viruses viz., blue berry mosaic, shoe-string, red (necrotic) ring

spot, leaf mottle, peach rosette and tomato ring spot”

AND

“Free from soil.”

Vicia faba & V.villosa

Broad bean / Vetches

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from leaf & pod spot (*Ascochyta fabae*), soybean cyst nematode (*Heterodera glycines*), stem and bulb nematode (*Ditylenchus dipsaci*), broad bean viruses viz. mottle, necrosis, strain (*Comovirus*), true mosaic, wilt virus 1 & 2 (*Fabavirus*)”

AND

“Free from quarantine weed seeds.”

Vigna spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from Bruchids (*Bruchidium* spp., *Stator* spp.), cowpea seed-borne viruses (*Bromovirus*, *Potyvirus*, *Comovirus*, *Carmovirus*)”

AND

“Free from quarantine weed seeds.”

Zea mays

Maize / Corn

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Commercial imports are subject to prior approval from Department of Agriculture and Cooperative (DAC).

Additional declaration:

“Free from Stewart’s wilt (*Pantoea stewartii* sub sp.*stewartii*, Nebraska wilt (*Clavibacter michiganensis* sub sp. *Nebraskensis*, Southern corn blight (*Drechslera maydis*) Race T, ergot (*Claviceps gigantea*), tropical rust (*Physopella zeae*), anthracnose (*Kabatiella zeae*), larger grain borer (*Prostophonus truncatus*), maize weevil (*Sitophilus zeamais*), *Mycosphaarella zeae-maydis*, *Burkholderia andropogonis*, *Pantoea agglomerans*, *Pseudomonas fuscavaginae*, *Pseudomonas syringae* pv. *Coronofaciens* and maize chlorotic dwarf machlovirus”

AND

“Free from soil and quarantine weed seeds.”

Zinnia spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from quarantine weed seeds.”

4.4.2 Seeds, Grains and Nuts for Consumption

Conditions:

Refer Section 3.4.2

Brassica spp.

Conditions:

Import permit not required. Phytosanitary certificate and treatment required. Weed free crop/area certification. Zero dockage certification in respect to quarantine weed seeds in the phytosanitary certificate.

Treatment:

Devitalisation of seed by heat treatment at 120 °C for 15 minutes or any other equivalent treatment approved by the Plant Protection Adviser to the government of India.

Cicer arietinum

Chick Pea

Conditions:

Import permit not required. Phytosanitary certificate and treatment required.

Treatment:

Fumigation with Methyl bromide at 32gm/cu m at 21°C and above under NAP. Alternative treatments must be approved by the Plant Protection Adviser in India. Treatment must be endorsed upon the phytosanitary certificate.

Citrullus lanatus

Watermelon

Conditions:

Import permit not required. Phytosanitary certificate and treatment required.

Treatment:

Devitalisation of seed prior to export and the treatment to be endorsed on phytosanitary certificate.

Glycine spp.

Soybean

Conditions:

Import permit not required. Phytosanitary certificate and treatment required. The consignment must be free from weeds. Zero dockage certification in respect to quarantine weed seeds in the phytosanitary certificate.

Treatment:

Devitalisation of seed by heat treatment at 120 °C for 15 minutes or any other equivalent treatment approved by the Plant Protection Adviser to the government of India.

Additional declaration:

"Free from Bruchids (*Bruchidius* spp.)."

Helianthus spp.

Sunflower

Conditions:

Import permit not required. Phytosanitary certificate and treatment required. Weed free crop/area certification. Zero dockage certification in respect to quarantine weed seeds in the phytosanitary certificate.

Treatment:

Devitalisation of seed by heat treatment at 120 °C for 15 minutes or any other equivalent treatment approved by the Plant Protection Adviser to the government of India.

Hordeum spp.

Barley Grains for consumption

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Treatment required.

Additional declaration:

"Free from Ergot (*Claviceps purpurea*) and Granary weevil (*Sitophilus granarius*)"

Treatment:

Fumigation with Methyl bromide at 32 gm/cu. m at 21°C and above for 24 hours under NAP. Alternative treatments must be approved by India. Treatment must be endorsed upon the phytosanitary certificate.

Phaseolus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.
Treatment required.

Additional declaration:

“Free from Bean bruchid (*Acanthoscelides obtectus*)”

AND

“Free from quarantine weed seeds.”

Treatment:

Fumigation with Methyl bromide at 32 gm/cu m for 24 hrs at 21°C and above under NAP. Alternative treatments must be approved by the Plant Protection Adviser in India. Treatment must be endorsed upon the phytosanitary certificate.

Pisum spp

Pea

Conditions: (consumption or processing)

Import permit not required. Phytosanitary certificate and additional declaration required.
Treatment required.

Additional declaration:

“Free from Stem and bulb nematode (*Ditylenchus dipsaci*), Pea cyst nematode (*Heterodera goettingiana*), Bruchids (*Bruchidius* spp., *Specularis impressithorax*)”

Treatment:

Fumigation with Methyl bromide at 32 gm/cu m for at 21°C and above under NAP. Treatment must be endorsed upon the phytosanitary certificate. Alternative treatments must be approved by the Plant Protection Adviser in India for this purpose.

Triticum spp.

Wheat

Import permit not required. Phytosanitary certificate with additional declarations and treatment required.

Additional declaration:

“Free from Granary weevil (*Sitophilus granarius*), Ergot (*Claviceps purpurea*), Dwarf bunt (*Tilletia contraversa*).”

Treatment:

Fumigation by Methyl Bromide at 32g per cubic metre for 24 hours at 21°C or equivalent thereof. Treatment must be endorsed upon the phytosanitary certificate.

Vicia faba & V.villosa

Broad bean / Vetches

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from stem & bulb nematode (*Ditylenchus dipsaci*), soybean cyst nematode (*Heterodera glycines*)”

Treatment:

Fumigation with Methyl bromide at 32gm/cu m for 24 hrs at 21°C and above under NAP. Alternative treatments must be approved by the Plant Protection Adviser in India. Treatment must be endorsed upon the phytosanitary certificate.

Vigna spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.
Treatment required.

Additional declaration:

“Free from bean bruchid (*Acanthoscelides obtectus*)”

Treatment:

Fumigation with Methyl bromide at 32 gm/cu m for 24 hrs at 21°C and above under NAP.

Alternative treatments must be approved by the Plant Protection Adviser in India. Treatment must be endorsed upon the phytosanitary certificate.

Zea mays

Maize / Corn

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Treatment required.

Additional declaration:

"Free from ergot (*Claviceps gigantea*), larger grain borer (*Prostophonus truncatus*) and maize weevil (*Sitophilus zeamais*)"

Treatment:

Fumigation with Methyl bromide at 32gm/cu m for 24 hrs at 21°C and above under NAP. Alternative treatments must be approved by the Plant Protection Adviser in India. Treatment must be endorsed upon the phytosanitary certificate.

4.4.3 Seeds, Grains and Nuts for Processing

Conditions:

Refer Section 3.4.3

Glycine spp.

Soybean

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Treatment required. Weed free crop/area certification. Zero dockage certification in respect to quarantine weed seeds in the phytosanitary certificate.

Additional declaration:

"Free from bruchids (*Bruchidius* spp.)."

Treatment:

Devitalisation of seed by heat treatment at 120 °C for 15 minutes or any other equivalent treatment approved by the Plant Protection Adviser to the government of India.

Helianthus spp.

Sunflower

Conditions:

Import permit not required. Phytosanitary certificate and treatment required. Weed free crop/area certification. Zero dockage certification in respect to quarantine weed seeds in the phytosanitary certificate.

Treatment:

Devitalisation of seed by heat treatment at 120 °C for 15 minutes or any other equivalent treatment approved by the Plant Protection Adviser to the government of India.

Hordeum spp.

Barley Grains for malting

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Treatment required.

Additional declaration:

"Free from ergot (*Claviceps purpurea*) and granary weevil (*Sitophilus granarius*)"

Treatment:

Fumigation with methyl bromide at 32 gm/cu. m at 21°C and above for 24 hours under NAP or fumigation with aluminium phosphide at 9 g/metric tonne (for bulk imports) with an exposure period of 21 days. Treatment must be endorsed on the phytosanitary certificate.

Phaseolus spp.

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Treatment required.

Additional declaration:

“Free from bean bruchid (*Acanthoscelides obtectus*)”

Treatment:

Fumigation with Methyl bromide at 32 gm/cu m for 24 hrs at 21°C and above under NAP. Alternative treatments must be approved by the Plant Protection Adviser in India. Treatment must be endorsed upon the phytosanitary certificate.

AND

“Free from quarantine weed seeds.”

Triticum spp.

Wheat

Import permit not required. Phytosanitary certificate with additional declarations and treatment required.

Additional declaration:

“Free from Granary weevil (*Sitophilus granarius*), Ergot (*Claviceps purpurea*), Dwarf bunt (*Tilletia contraversa*).”

Treatment:

Fumigation by Methyl Bromide at 32g per cubic metre for 24 hours at 21°C or equivalent thereof. Treatment must be endorsed upon the phytosanitary certificate.

Zea mays

Maize / Corn

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required. Treatment required.

Additional declaration:

“Free from ergot (*Claviceps gigantea*), larger grain borer (*Prostophonus truncatus*) and maize weevil (*Sitophilus zeamais*)”

Treatment:

Fumigation with Methyl bromide at 32gm/cu m for 24 hrs at 21°C and above under NAP. Alternative treatments must be approved by the Plant Protection Adviser in India. Treatment must be endorsed upon the phytosanitary certificate.

4.5 Growing Media

Garden soil

Conditions:

Import permit required. Phytosanitary certificate and additional declaration required. Treatment required.

Additional declaration:

“Free from insect pests, nematodes, microbes and quarantine weed seeds”.

Treatment:

Steam heat (autoclave) at 121 °C for 30 minutes at 15 psi

Pinus radiata (bark)

Please contact Plant Exports plantexports@mpi.govt.nz.

4.6 Miscellaneous Items

Humulus spp.

Pellets

Conditions:

Import permit not required. Phytosanitary certificate required.

Triticum spp.

Flour for consumption

Conditions:

Import permit not required. Phytosanitary certificate and additional declaration required.

Additional declaration:

“Free from storage pests”

Treatment:

Fumigation with Aluminum phosphide (ALP) @ 9 g/metric ton for minimum 5 days. The treatment shall be endorsed on Phytosanitary Certificate issued at the country of origin/re-export.

Spices and Condiments

Conditions:

Import permit not required. Phytosanitary certificate required.

| Scientific name: | Common name: |
|----------------------------------|------------------|
| <i>Amomum subulatum</i> | Large cardamom |
| <i>Carum carvi</i> | Caraway |
| <i>Cinnamomum burmannii</i> | Batavia cinnamon |
| <i>Cinnamomum verum</i> | Cinnamon |
| <i>Coriandrum sativum</i> | Coriander |
| <i>Cuminum cyminum</i> | Cumin |
| <i>Elettaria cardamomum</i> | Cardamom |
| <i>Foeniculum vulgare</i> | Fennel |
| <i>Garcinia gummi-gutta</i> | Garcinia |
| <i>Illicium verum</i> | Star anise |
| <i>Laurus nobilis</i> | Bay leaf, Laurel |
| <i>Mentha spicata</i> | Spearmint |
| <i>Origanum vulgare</i> | Common marjoram |
| <i>Papavera somniferum</i> | Poppy seed |
| <i>Piper longum</i> | Long pepper |
| <i>Piper nigrum</i> | Black pepper |
| <i>Syzygium aromaticum</i> | Cloves |
| <i>Trigonella foenum-graecum</i> | Fenugreek |
| <i>Zingiber officinale</i> | Ginger |

Stimulants & Beverages

Conditions:

Import permit required. Phytosanitary certificate required.

| Scientific name: | Common name: |
|--------------------------|---------------------------|
| <i>Areca catechu</i> | Betel nut |
| <i>Theobroma cacao</i> | Cocoa powder |
| <i>Coffea arabica</i> | Roasted Coffee beans |
| <i>Camellia sinensis</i> | Tea (including green tea) |

Herbs for Medicinal Purposes and or Consumption

Conditions:

Import not permit required. Phytosanitary certificate required.

| Scientific name: | Common name: | State: | Plant part: |
|--------------------------------|-------------------|------------------|-------------------|
| <i>Aesculus hippocastanum</i> | Horse chestnut | Dried | Seed |
| <i>Anacyclus pyrethrum</i> | Pellitory | Dried | Root |
| <i>Arctostaphylos</i> | Uva-Ursi | Dried | Leaf |
| <i>Arnica montana</i> | Celtic Nard | Dried | Whole plant |
| <i>Artemisia</i> | Artemisia | Dried | Leaf |
| <i>Atropa belladonna</i> | Deadly Nightshade | Dried | Leaf, Root |
| <i>Azadirachta indica</i> | Neem | Dried | Seed |
| <i>Berberis</i> | Barberries | Dried | Root |
| <i>Bryonia alba</i> | Wild Hops | Dried | Root |
| <i>Capsicum annuum</i> | Capsicum | Dried | Fruit, Seed |
| <i>Carduus</i> | Blessed Thistle | Dried | Whole plant |
| <i>Cassia</i> | Senna | Dried | Pod, Leaf |
| <i>Ceiba pentandra</i> | Kapok | | Lint |
| <i>Centella asiatica</i> | Centella | Dried | Leaf |
| <i>Chamaemelum nobile</i> | Chamomile | Dried | Flower |
| <i>Chelidonium majus</i> | Calandine | Dried | Whole plant |
| <i>Chionanthus virginicus</i> | Fringe Tree | Dried | Bark |
| <i>Chondrus</i> | Seaweed | Dried | |
| <i>Cinchona</i> | Cinchona | Dried | Bark |
| <i>Cola nitida</i> | Kola nuts | Dried | Nut |
| <i>Convolvulus scammonia</i> | Scammonia roots | Dried | Root |
| <i>Crocus sativus</i> | Saffron | Dried | Flower |
| <i>Croton eluteria</i> | Cascarilla | Dried | Bark |
| <i>Curcuma zedoaria</i> | Kachura | Dried | Rhizome |
| <i>Cyamopsis tetragonoloba</i> | Guar | Dried and broken | Seed |
| <i>Digitalis</i> | Digitalis | Dried | Leaf |
| <i>Duboisia</i> | Duboisia | Dried | Leaf |
| <i>Dulacia inopiflora</i> | Muir Puama | Dried | Bark, Root |
| <i>Ecklonia maxima</i> | Seaweed | Dried | |
| <i>Equisetum arvense</i> | Field Horsetail | Dried | Leaf |
| <i>Eucheuma</i> | Seaweed | Dried | |
| <i>Eupatorium</i> | Indian Sage | Dried | Whole plant |
| <i>Euphrasia officinalis</i> | Eye-bright | Dried | Whole plant |
| <i>Eurycoma longifolia</i> | Tongkat Ali | Dried | Bark, Root |
| <i>Fucus vesiculosus</i> | Bladder Wrack | Dried | Whole plant |
| <i>Gaultheria procumbens</i> | Winter green | Dried | Leaf |
| <i>Gelidiella</i> | Seaweed | Dried | |
| <i>Gelidium</i> | Seaweed | Dried | |
| <i>Gentiana</i> | Bitterwort | Dried | Root |
| <i>Geranium maculatum</i> | Alumroot | Dried | Whole plant, Root |

| | | | |
|---------------------------------|-------------------------|-------|-------------------|
| <i>Ginkgo biloba</i> | Ginkgo | Dried | Leaf |
| <i>Glycyrrhiza glabra</i> | Liquorice | | |
| <i>Gracilaria</i> | Seaweed | Dried | |
| <i>Griffonia simplicifolia</i> | Griffonia simplicifolia | Dried | |
| <i>Guaiaacum officinale</i> | Guaiaacum | Dried | Whole plant |
| <i>Harpagophytum procumbens</i> | Devil's Claw | Dried | Root |
| <i>Hibiscus sabdariffa</i> | Hibiscus | Dried | Flower |
| <i>Humulus lupulus</i> | Hop | Dried | Leaf |
| <i>Hypericum perforatum</i> | St. John's Wort | Dried | Whole plant |
| <i>Juniperus communis</i> | Juniper | Dried | Twig |
| <i>Juniperus sabina</i> | Sabina | | Twig |
| <i>Kappaphycus</i> | Seaweed | Dried | |
| <i>Krameria</i> | Ratanhia | | Root |
| <i>Lactuca virosa</i> | Lactuca | Dried | Whole plant |
| <i>Lagerstroemia speciosa</i> | Banaba | Dried | |
| <i>Lavandula angustifolia</i> | Lavender | | Flower |
| <i>Litsea</i> | Sticky wood | Dried | Bark |
| <i>Nuphar lutea</i> | Yellow Pond-lily | Dried | Rhizome |
| <i>Ocimum</i> | Basil | Dried | Leaf |
| <i>Okoubaka aubrevillei</i> | Okoubaka | Dried | Bark, Root |
| <i>Onosma echioides</i> | Ratton jot | Dried | Root |
| <i>Orthosiphon</i> | Orthosiphon | Dried | Leaf |
| <i>Panax quinquefolius</i> | Ginseng | Dried | Root |
| <i>Paullinia cupana</i> | Guarana | Dried | Seed |
| <i>Pausinystalia yohimba</i> | Yohimbe Bark | Dried | Bark |
| <i>Persea</i> | Persea bark | Dried | Bark |
| <i>Persea macrantha</i> | Jigat | Dried | Bark |
| <i>Peumus boldus</i> | Boldina | Dried | Leaf |
| <i>Picrorhiza kurroa</i> | Picrorhiza | Dried | Root |
| <i>Pilocarpus jaborandi</i> | Jaborandi | Dried | Leaf |
| <i>Piper cubeba</i> | Cubebs | Dried | Fruit |
| <i>Piper methysticum</i> | Kava roots | Dried | Root |
| <i>Piscidia</i> | Piscidia | Dried | Bark |
| <i>Pogostemon cablin</i> | Patchouli leaves | Dried | Leaf |
| <i>Prunus</i> | Pygeum | Dried | Bark, Leaf |
| <i>Pterocladia</i> | Seaweed | Dried | |
| <i>Pulsatilla</i> | Windflower | Dried | Whole plant |
| <i>Rauvolfia vomitoria</i> | Rauwolfia | Dried | Bark, Root |
| <i>Rhamnus</i> | Alder buckthorn | Dried | Bark, Fruit, Root |
| <i>Rhodiola</i> | Rhodiola | Dried | Root |
| <i>Rhododendron tomentosum</i> | Marsh Tea | Dried | Whole plant |
| <i>Rhus succedanea</i> | Kakra singhi | Dried | |

| | | | |
|----------------------------------|-------------------|-------------------|------------------|
| <i>Rosmarinus officinalis</i> | Rosemary | | |
| <i>Rubia</i> | Manjith | Dried | Root |
| <i>Sabal serrulata</i> | Saw Palmetto | Dried | Root, Fruit |
| <i>Salix alba</i> | Willow bark | Dried | Bark |
| <i>Salvia officinalis</i> | Clary sage | Dried | |
| <i>Schoenocaulon officinale</i> | Sabadilla | Dried and crushed | Seed |
| <i>Scrophularia</i> | Figwort | Dried | Whole plant |
| <i>Secale</i> | Ergot of Rye | Grounded | |
| <i>Sempervivum</i> | House Leek | Dried | Leaf |
| <i>Silybum marianum</i> | Milk Thistle | Dried | Fruit, Seed |
| <i>Sinopodophyllum hexandrum</i> | Podophyllum | Dried | Rhizome, Root |
| <i>Smilax</i> | Smilax | Dried | Rhizome, Root |
| <i>Strychnos ignatii</i> | St. Ignatius Bean | Dried and cut | Fruit |
| <i>Symphytum officinale</i> | Comfrey | Dried | Root |
| <i>Tamarindus indica</i> | Tamarind | Pulp | Fruit, Seed |
| <i>Tanacetum cinerariifolium</i> | Pyrethrum | Dried | Flower |
| <i>Taxus baccata</i> | English Yew | Dried | Leaf |
| <i>Teucrium marum</i> | Cat Thyme | Dried | Whole plant |
| <i>Thymus vulgaris</i> | Thyme | | |
| <i>Tribulus terrestris</i> | Caltrop | Dried | Whole plant |
| <i>Turnera diffusa</i> | Damiana | Dried | Whole plant |
| <i>Usnea barbata</i> | Bearded Usnea | Dried | Whole plant |
| <i>Vaccinium myrtillus</i> | Common Bilberry | Dried | Leaf |
| <i>Viburnum prunifolium</i> | Black Haw | Dried | Bark |
| <i>Voacanga</i> | Voacanga | Dried | Bark, Root, Seed |
| <i>Withania coagulans</i> | Paneer dodi | Dried | Fruit |

Miscellaneous Plant Products

Conditions:

Import permit not required. Phytosanitary certificate required.

| | |
|-----------------------------|---------------------------------|
| Scientific name: | Common name: |
| <i>Cocos nucifera</i> | Copra (dried kernel of coconut) |
| <i>Plantae</i> | Dry plant material |
| <i>Cannabis sativa</i> | Hemp fibers |
| <i>Humulus lupulus</i> | Hop pellets |
| <i>Corchorus capsularis</i> | Jute fibres |
| <i>Panax quinquefolius</i> | Korean ginseng roots |
| <i>Glycyrrhiza glabra</i> | Liquorice |
| <i>Myristica fragrans</i> | Nutmeg |
| <i>Myristica fragrans</i> | Mace |
| <i>Taxus brevifolia</i> | Pacific yew |
| <i>Agave sisalana</i> | Sisal fibers |

| | |
|-----------------------------|--------------|
| <i>Tillandsia usneoides</i> | Spanish moss |
|-----------------------------|--------------|

Appendix 1. Quarantine Pests as notified by India

| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------|----------------------------------|---------------|------------------------------------|---|
| Arachnids | Acarida | Eriophyidae | <i>Calepitrimerus vitis</i> | Mite, grape leaf rust |
| | | Tetranychidae | <i>Panonychus citri</i> | Citrus red mite |
| Insects | Coleoptera (beetles and weevils) | Bostrichidae | <i>Prostephonus truncatus</i> | Larger grain borer |
| | | Bruchidae | <i>Bruchidium</i> spp. | Bruchids |
| | | | <i>Bruchidius</i> spp. | Bruchids |
| | | | <i>Pachymerus lacerdae</i> | Palm kernel borer |
| | | | <i>Pachymerus</i> spp. | |
| | | | <i>Stator</i> spp. | |
| | | Cerambycidae | <i>Hylotrupes bajulus</i> | European house borer |
| | | | <i>Monochamus</i> spp. | Sawyer Beetle |
| | | | <i>Phoracantha semipunctata</i> | Eucalyptus longhorned borer |
| | | | <i>Sophronica ventralis</i> | |
| | | Chrysomelidae | <i>Caryobruchus</i> spp. | Palm kernel borer |
| | | | <i>Promecotheca caeruleipennis</i> | Fiji coconut hispid |
| | | | <i>Specularis impressithorax</i> | Bruchids |
| | | Curculionidae | <i>Acanthoscelides obtectus</i> | Bean bruchid, bean weevil, bean seed beetle |
| | | | <i>Anthonomus bisignifer</i> | Strawberry weevil |
| | | | <i>Anthonomus grandis</i> | Boll weevil |

Source: Preferred name and classification used is checked for accuracy against the European and Mediterranean Plant Protection Organisation (EPPO) Global database (<https://gd.eppo.int/>), 11-22 July 2016

| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------|----------------------------------|---------------|-----------------------------------|---------------------------------------|
| Insects | Coleoptera (beetles and weevils) | Curculionidae | <i>Anthonomus peninsularis</i> | |
| | | | <i>Anthonomus signatus</i> | Strawberry weevil |
| | | | <i>Anthonomus vestitus</i> | Peruvian cotton boll weevil |
| | | | <i>Conotrachelus menuphar</i> | Plum weevil |
| | | | <i>Cosmopolites pruinosis</i> | |
| | | | <i>Gonipterus scutellatus</i> | Eucalyptus snout beetle |
| | | | <i>Metamasius hemipterus</i> | Rotten cane stalk borer |
| | | | <i>Otiorhynchus ovatus</i> | Strawberry root weevil |
| | | | <i>Pantomorus cervinus</i> | Rose beetle |
| | | | <i>Pissodes</i> spp. | Pine weevils |
| | | | <i>Rhabdoscelus obscurus</i> | Sugarcane weevil borer |
| | | | <i>Rhyncophorus palmarum</i> | American palm weevil |
| | | | <i>Rhynchophorus vulneratus</i> | Asiatic palm weevil |
| | | | <i>Sitophilus granarius</i> | Granary weevil |
| | | | <i>Sitophilus linearis</i> | Tamarind weevil |
| | | | <i>Sitophilus zeamais</i> | Maize weevil |
| | | | <i>Temnoschoita nigroplagiata</i> | |
| | | Dermestidae | <i>Trogoderma versicolor</i> | Larger Dermestid beetle |
| | | | <i>Trogoderma variabile</i> | Grain dermestid |
| | | Scolytidae | <i>Hylastes ater</i> | Black pine bark |
| | | | <i>Hypothenemus hampei</i> | Coffee berry borer |
| | | | <i>Hypothenemus obscurus</i> | Apple twig beetle; tropical nut borer |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------|--|---------------|--|--|
| Insects | Coleoptera (beetles and weevils) | Scolytidae | <i>Hypothenemus obscurus</i> | Tropical nut borer |
| | | | <i>Pseudopityophthorus</i> spp. | Oak bark beetles |
| | | | <i>Scolytus scolytus</i> | Elm bark beetle |
| | | | <i>Tomicus piniperda</i> | Pine beetle |
| | Diptera (flies) | Tenebrionidae | <i>Tribolium confusum</i> | Confused flour beetle |
| | | Agromyzidae | <i>Amauromyza maculosa</i> syn. <i>Nemorimyza maculosa</i> | Burdock leaf miner, chrysanthemum leaf miner |
| | | | <i>Liriomyza huidobrensis</i> | South American leaf miner |
| | | Anthomyiidae | <i>Hylemia antiqua</i> syn. <i>Delia antiqua</i> | Onion maggot |
| | | Syrphidae | <i>Eumerus strigatus</i> | Narcissus bulb fly |
| | | | <i>Eumerus tuberculatus</i> | Narcissus bulb fly |
| | | | <i>Merodon equestris</i> syn. <i>Lampetia equestris</i> | Narcissus bulb fly |
| | | Tephritidae | <i>Bactrocera tryoni</i> | Queensland fruit fly |
| | | | <i>Ceratitis capitata</i> | Mediterranean fruit fly |
| | | | <i>Rhagoletis</i> spp. | Mexican fruitflies |
| | Hemiptera (aphids, scale and other bugs) | Coccidae | <i>Ceroplastes destructor</i> | Wax scale |
| | | | <i>Ceroplastes cirripediformis</i> | Barnacle scale; wax scale |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------|--|------------------|---|--|
| Insects | Hemiptera (aphids, scale and other bugs) | Aphalaridae | <i>Ctenarytaina spatulata</i> | |
| | | Diaspididae | <i>Aspidiotus nerii</i> | Aucuba scale |
| | | | <i>Selenaspis articulatus</i> | Armoured scale; West Indian rufous scale |
| | | | <i>Unaspis citri</i> | Citrus snow scale |
| | | Phylloxeridae | <i>Viteus vitifoliae</i> , syn. <i>Daktulosphaira vitifoliae</i> | Grapevine Phylloxera or vine louse |
| | | Pseudococcidae | <i>Paracoccus cavaticus</i> | Mealy bug |
| | | | <i>Pseudococcus calceolariae</i> | Scarlet mealy bug |
| | | Thaumastocoridae | <i>Thaumastocoris peregrinus</i> | Bronze bug |
| | Hymenoptera (wasps, bees and ants) | Eurytomidae | <i>Eurytoma samsonavi</i> | Apricot chalcid |
| | | Formicidae | <i>Linepithema humile</i> | Argentine ant |
| | | Siricidae | <i>Sirex</i> spp. | Sirex wasp |
| | | Torymidae | <i>Megastigmus spermatrophus</i> | Seed chalcid |
| | Lepidoptera (moths and butterflies) | Carposinidae | <i>Carposina niponensis</i> | Peach fruit moth |
| | | Geometridae | <i>Pseudocoremia suavis</i> | |
| | | Lymantriidae | <i>Lymantria dispar</i> | Gypsy moth |
| | | Noctuidae | <i>Uraba lugens</i> | Eucalypt leaf skeletonizer |
| | | Pyralidae | <i>Apomyelois ceratoniae</i> | Knot-horn, blunt-winged, carob moth |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------|-------------------------------------|-----------------|---|------------------------------|
| Insects | Lepidoptera (moths and butterflies) | Pyrilidae | <i>Ephestia elutella</i> | Chocolate moth; tobacco moth |
| | | | <i>Ephestia kuehniella</i> | Mediterranean flour moth |
| | | | <i>Hypsipyla robusta</i> | Cedar shoot borer |
| | | | <i>Plodia interpunctella</i> | Indian male moth |
| | | Tortricidae | <i>Cydia inopinata</i> | Manchurian fruit moth |
| | | | <i>Cydia molesta</i> | Oriental fruit moth |
| | | | <i>Cydia packardii</i> | Cherry fruitworm |
| | | | <i>Cydia pomonella</i> | Codling moth |
| | | | <i>Cydia prunivora</i> | Plum moth |
| | | | <i>Epiphyas postvittana</i> | Light brown apple moth |
| | | Zygaenidae | <i>Artona catoxantha</i> | Coconut leaf moth |
| | Peronosporales | Peronosporaceae | <i>Peronospora hyoscyami</i> sp. <i>tabacina</i> | Blue mould of tobacco |
| | Pucciniales | Phragmidiaceae | <i>Kuehneola uredinalis</i> syn. <i>Kuehneola uredinis</i> | Stem rust of blackberry |
| | Thysanoptera | Thripidae | <i>Frankliniella occidentalis</i> | Western flower thrips |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|------------------------|-------------|------------------|--|--------------------------|
| Nematode (round worms) | Dorylaimida | Longidoridae | <i>Xiphinema americanum</i> syn. <i>Xiphinema americanum sensu stricto</i> | American dagger nematode |
| | | Longidoridae | <i>Xiphinema</i> spp. | Dagger nematode |
| | Tylenchida | Aphelenchoididae | <i>Aphelenchoides fragariae</i> | Foliar nematode |
| | | | <i>Aphelenchoides ritzemabosi</i> | Foliar nematode |
| | | | <i>Bursaphelenchus xylophilus</i> | Pinewood Nematode |
| | | Heteroderidae | <i>Cactodera cactii</i> | Cactus cyst nematode |
| | | Anguinidae | <i>Ditylenchus dipsaci</i> | Bulb and stem nematode |
| | | Heteroderidae | <i>Heterodera glycines</i> | Soybean cyst nematode |
| | | | <i>Heterodera goettingiana</i> | Pea cyst nematode |
| | | | <i>Heterodera humuli</i> | Hops cyst nematode |
| | | | <i>Heterodera schachtii</i> | Beet cyst nematode |
| | | Aphelenchoididae | <i>Rhadinaphelenchus cocophilus</i> syn. <i>Bursaphelenchus cocophilus</i> | Red ring |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|--------------------|-------------------|--------------------|---|-------------------------------------|
| Bacterial diseases | Acholeplasmatales | Acholeplasmataceae | Phytoplasma | Palm lethal yellowing |
| | | | Phytoplasma | Aster yellows |
| | | | Phytoplasma | Phyllody and yellows (phytoplasmas) |
| | | | Phytoplasma | Sweet potato witches' broom |
| | | | Phytoplasma | Blueberry stunt |
| | | | Phytoplasma | Cranberry false blossom |
| | Actinomycetales | Microbacteriaceae | <i>Clavibacter michiganensis</i> sub sp. <i>michiganensis</i> | Bacterial canker |
| | | | <i>Clavibacter michiganensis</i> sub sp. <i>nebraskensis</i> | Nebraska wilt |
| | | | <i>Clavibacter michiganensis</i> sub sp. <i>sepodonicus</i> | Bacterial ring rot of potato |
| | | | <i>Corynebacterium michiganense</i> pv. <i>insidiosum</i> | Bacterial wilt |
| | | | <i>Curtobacterium flaccumfaciens</i> pv. <i>betae</i> | Silvering disease |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|--------------------|-----------------|-------------------|--|----------------------------------|
| Bacterial diseases | Actinomycetales | Microbacteriaceae | <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> | Bacterial wilt |
| | | | <i>Curtobacterium flaccumfaciens</i> pv. <i>oortii</i> | |
| | | Nocardiaceae | <i>Rhodococcus fascians</i> | Pomidae fascination |
| | | Streptomycetaceae | <i>Streptomyces ipomoeae</i> | Soil rot |
| | Burkholderiales | Burkholderiaceae | <i>Burkholderia andropogoni</i> | Bacterial blight |
| | | | <i>Burkholderia caryophilli</i> | Bacterial wilt and stem cracking |
| | | | <i>Burkholderia gladioli</i> pv. <i>gladioli</i> | Bacterial leaf spot |
| | | | <i>Burkholderia marginalis</i> | Scab & neck rot |
| | | | <i>Burkholderia solanacearum</i> Race 2 | Moko wilt |
| | | Comamonadaceae | <i>Acidovorax avenae</i> sub sp. <i>citrulli</i> | Bacterial fruit blotch |
| | | | <i>Acidovorax avenae</i> sub sp. <i>avenae</i> | Bacterial blight |
| | | Unassigned | <i>Xylophilus ampelinus</i> | Bacterial necrosis |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|--------------------|-------------------|--------------------|---|----------------------|
| Bacterial diseases | Enterobacteriales | Enterobacteriaceae | <i>Erwinia amylovora</i> | Fire blight |
| | | | <i>Erwinia chrysanthemi</i> | Bacterial leaf spots |
| | | | <i>Erwinia chrysanthemi</i> pv. <i>paradisiaca</i> | |
| | | | <i>Erwinia chrysanthemi</i> pv. <i>dianthicola</i> | Slow wilt |
| | | | <i>Erwinia rhapontici</i> | Rhubarb crown rot |
| | | | <i>Pantoea stewartii</i> sub sp. <i>stewartii</i> | Stewart's wilt |
| | Pseudomonadales | Pseudomonadaceae | <i>Pseudomonas atrofaciens</i> | Spike rot |
| | | | <i>Pseudomonas batatae</i> | Bacterial wilt |
| | | | <i>Pseudomonas cepacia</i> | Slippery skin |
| | | | <i>Pseudomonas cichorii</i> | Bacterial blight |
| | | | <i>Pseudomonas fuscovaginae</i> | Sheath brown rot |
| | | | <i>Pseudomonas marginalis</i> pv. <i>marginalis</i> | Marginal necrosis |
| | | | <i>Pseudomonas passiflora</i> | |
| | | | <i>Pseudomonas syringae</i> pv. <i>aptata</i> | Bacterial blight |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|--------------------|-----------------|------------------|--|-----------------------------|
| Bacterial diseases | Pseudomonadales | Pseudomonadaceae | <i>Pseudomonas syringae</i> pv. <i>coronofaciens</i> | Bacterial blight of oat |
| | | | <i>Pseudomonas syringae</i> pv. <i>lachrymans</i> | Angular leaf spot |
| | | | <i>Pseudomonas syringae</i> pv. <i>maculicola</i> | Bacterial leaf spot |
| | | | <i>Pseudomonas syringae</i> pv. <i>persicae</i> syn. <i>Pseudomonas morsprunorum</i> | Bacterial die back of peach |
| | | | <i>Pseudomonas syringae</i> pv. <i>punctulens</i> | Bacterial pustule |
| | | | <i>Pseudomonas syringae</i> pv. <i>tomato</i> | Bacterial leaf spot |
| | | | <i>Pseudomonas syringe</i> pv. <i>atrofaciens</i> | Glume rot |
| | | | <i>Pseudomonas tagetis</i> | Bacterial leaf spot |
| | | | <i>Pseudomonas viridiflava</i> | |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|--------------------|-----------------|------------------|---|---------------------|
| Bacterial diseases | Rhizobiales | Rhizobiaceae | <i>Agrobacterium rhizogenes</i> syn. <i>Rhizobium rhizogenes</i> | Hairy root |
| | | Rhizobiaceae | <i>Agrobacterium tumefaciens</i> | Crown gall |
| | | Rhizobiaceae | <i>Agrobacterium vitis</i> | Crown gall |
| | Xanthomonadales | Xanthomonadaceae | <i>Xanthomonas axonopodis</i> pv. <i>dieffenbachiae</i> | Bacterial blight |
| | | | <i>Xanthomonas axonopodis</i> pv. <i>dieffenbachiae</i> | Bacterial blight |
| | | | <i>Xanthomonas campestris</i> pv. <i>campestris</i> | Black rot |
| | | | <i>Xanthomonas campestris</i> pv. <i>pellargonii</i> | Bacterial spot |
| | | | <i>Xanthomonas campestris</i> pv. <i>raphanai</i> | Raphanus leaf spot |
| | | | <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> | Bacterial scab |
| | | | <i>Xanthomonas campestris</i> pv. <i>zantedeschiae</i> | Bacterial leaf spot |
| | | | <i>Xanthomonas campestris</i> pv. <i>zingibericola</i> | Leaf blight |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|--------------------|-----------------|------------------|--|----------------------------------|
| Bacterial diseases | Xanthomonadales | Xanthomonadaceae | <i>Xanthomonas fragariae</i> | Angular leaf spot |
| | | | <i>Xanthomonas hortorum</i> pv. <i>carotae</i> | Yellow pustule & hellfire |
| | | | <i>Xanthomonas hyacinthi</i> | Bacterial blight or yellow slime |
| | | | <i>Xanthomonas melonis</i> | Soft rot |
| | | | <i>Xanthomonas vasicola</i> pv. <i>holcicola</i> | Bacterial leaf streak |
| | | | <i>Xanthomonas vesicatoria</i> | Bacterial scab |
| | | | <i>Xylella fastidiosa</i> | Pierce's disease |
| Chromista | Peronosporales | Peronosporaceae | <i>Peronospora rubi</i> | Downy mildew |
| | | | <i>Peronospora sparsa</i> | Downy mildew |
| | | | <i>Phytophthora cactorum</i> | Crown rot |
| | | | <i>Phytophthora cryptogea</i> | Tomato foot rot |
| | | | <i>Phytophthora fragariae</i> | Red stele |
| | | | <i>Phytophthora katsurae</i> | Chestnut downy mildew |
| | | | <i>Phytophthora megakarya</i> | Black pod of cocoa |
| | | | <i>Phytophthora megasperma</i> | Root rot |
| | | | <i>Phytophthora megasperma</i> var. <i>sojae</i> | Root and stem rot |
| | | | <i>Phytophthora phaseoli</i> | |
| | | | <i>Phytophthora ramorum</i> | Sudden oak death |
| | | | <i>Plasmopara halstedii</i> | Downey mildew |
| | | | <i>Pseudoperonospora humuli</i> | |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------------|-------------------|--------------------|--|-----------------------|
| Fungal diseases | Botryosphaeriales | Botryosphaeriaceae | <i>Botryosphaeria dothidea</i> | Dothierella rot |
| | | | <i>Botryosphaeria ribis</i> | Cane blight |
| | | | <i>Botryotinia fuckeliana</i> | Botrytis rot |
| | | | <i>Botryotinia polyblastis</i> | Narcissus fire |
| | | Phyllostictaceae | <i>Guignardia citricarpa</i> | Citrus black spot |
| | | | <i>Phyllosticta capitalensis</i> | Blossom blights |
| | Capnodiales | Mycosphaerellaceae | <i>Cercospora elaeidis</i> | Freckle |
| | | | <i>Mycosphaerella fijiensis</i> var. <i>difformis</i> | |
| | | | <i>Septoria cucurbitarum</i> | Septoria leaf spot |
| | | | <i>Septoria gladioli</i> | Hard rot |
| | | | <i>Septoria helianthi</i> | Leaf spot |
| | | | <i>Septoria tageticola</i> | Leaf spot |
| | Chaetosphaeriales | Chaetosphaeriaceae | <i>Monilochaetes infuscans</i> | Scurf of sweet potato |
| | Chytridiales | Synchytriaceae | <i>Synchytrium vaccinii</i> | Red gall |
| | Diaporthales | Cryphonectriaceae | <i>Cryphonectria parasitica</i> (American strain) | Chest nut blight |
| | | | | |
| | | Diaporthaceae | <i>Diaporthe actinidae</i> | Phomopsis rot |
| | | | <i>Diaporthe perniciosa</i> | Phomopsis canker |
| | | | <i>Diaporthe phaseolorum</i> var. <i>caulivora</i> | Stem canker |
| | | | <i>Phomopsis longicolla</i> | Pod and stem blight |
| | | | <i>Phomopsis obscurens</i> | Phomopsis blight |
| | | | <i>Phomopsis sclerotoides</i> | Black spot |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------------|-------------------|--------------------|--|----------------------------|
| Fungal diseases | Diaporthales | Gnomoniaceae | <i>Gnomonia fragariae</i> syn. <i>Gnomonia fruticola</i> | Leaf blotch |
| | | Magnaporthaceae | <i>Magnaporthe oryzae</i> sub.sp. <i>tritici</i> | Wheat blast |
| | | Melanconidaceae | <i>Cryptosporella umbrina</i> | Brown canker |
| | | | <i>Cryptosporella viticola</i> syn. <i>Phomopsis viticola</i> | |
| | Dothideales | Dothioraceae | <i>Kabatiella caulivora</i> | Northern anthracnose |
| | | | <i>Kabatiella zeae</i> | Anthracnose |
| | Dothideales | Dothioraceae | <i>Plowrightia ribesia</i> syn. <i>Dothiora ribesia</i> | Black pustule |
| | Enterobacteriales | Enterobacteriaceae | <i>Pantoea agglomerans</i> | Gummosis |
| | Erysiphales | Erysiphaceae | <i>Microsphaeria grassulariae</i> | European gooseberry mildew |
| | | | <i>Sphaerotheca mors-uvae</i> syn. <i>Podosphaera mors-uvae</i> | American gooseberry mildew |
| | Exosbasidiales | Exosbasidiaceae | <i>Exobasidium vaccinii</i> | Red leaf |
| | Helotiales | Dermateaceae | <i>Atropellis pinicola</i> | Trunk canker |
| | | | <i>Atropellis piniphila</i> | Branch canker |
| | | | <i>Blumeriella jaapii</i> | Cherry leaf spot |
| | | | <i>Gloeosporium concentricum</i> syn. <i>Pyrenopeziza brassicae</i> | Light leaf spot |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------------|-------------|-----------------|--|-----------------------------|
| Fungal diseases | Helotiales | Dermateaceae | <i>Marssonina panottoniana</i> | Anthracnose |
| | | | <i>Pseudopeziza ribis</i> | Leaf spot Anthracnose |
| | | | <i>Pyrenopeziza medicaginis</i> syn. <i>Leptotrochila medicaginis</i> | Yellow leaf blotch Dead arm |
| | | Sclerotiniaceae | <i>Monilia vacciniicorymbasi</i> | |
| | | | <i>Monilinia fructicola</i> American strain | Brown rot |
| | | | <i>Monilinia laxa</i> | Blossom blight & fruit rot |
| | | | <i>Sclerotinia bulborum</i> | Sclerotinia rot |
| | | | <i>Sclerotinia trifoliorum</i> | Sclerotinia wilt |
| | Hypocreales | Clavicipitaceae | <i>Claviceps gigantea</i> | Ergot |
| | | | <i>Claviceps purpurea</i> | Ergot |
| | | Hypocreaceae | <i>Verticillium albo-atrum</i> | Verticillium wilt |
| | | Nectriaceae | <i>Fusarium oxysporum</i> f.sp. <i>callistephi</i> | Foot rot of aster |
| | | | <i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i> | Fusarial wilts |
| | | | <i>Fusarium oxysporum</i> f.sp. <i>elaedis</i> | Vascular wilt |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------------|-----------------|-------------------|--|----------------------------|
| Fungal diseases | Hypocreales | Nectriaceae | <i>Fusarium oxysporum</i> f.sp. <i>gladioli</i> | Fusarium wilt |
| | | | <i>Fusarium oxysporum</i> f.sp. <i>lilii</i> | Fusarium wilt |
| | | | <i>Fusarium oxysporum</i> f.sp. <i>melonis</i> | Fusarium wilt |
| | | | <i>Fusarium oxysporum</i> f.sp. <i>narcissi</i> | Basal rot |
| | | | <i>Fusarium oxysporum</i> f.sp. <i>albedinis</i> | Fusarium wilt of date palm |
| | Microascales | Ceratocystidaceae | <i>Ceratocystis fagacearum</i> | Oak wilt |
| | | | <i>Ceratocystis ulmi</i> (American and European strains) | Dutch elm disease |
| | Myriangiales | Elsinoaceae | <i>Elsinoe batatas</i> | Scab |
| | | | <i>Elsinoe phaseoli</i> | Scab |
| | Ophiostomatales | Ophiostomataceae | <i>Ophiostoma piceae</i> | Vascular mycosis of oak |
| | | Unassigned | <i>Leptographium procerum</i> | White pine root decline |
| | Peronosporales | Peronosporaceae | <i>Peronospora dianthi</i> | Downy mildew |
| | | | <i>Peronospora dianthicola</i> | Downy mildew |
| | | | <i>Peronospora farinosa</i> | Downy mildew |
| | | | <i>Peronospora manshurica</i> | Downy mildew |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------------|----------------|-------------------|---|-----------------------------|
| Fungal diseases | Pezizales | Rhinaceae | <i>Phymatotrichum omnivorum</i> syn. <i>Phymatotrichopsis omnivora</i> | Texas root rot |
| | Phyllachorales | Glomerellaceae | <i>Colletotrichum coccodes</i> | Blossom blights |
| | | | <i>Colletotrichum lili</i> | Anthracnose |
| | Pleosporales | Coniothyriaceae | <i>Coniothyrium wernsdorffiae</i> | Brand canker |
| | | Didymellaceae | <i>Didymella ligulicoa</i> , syn. <i>Ascochyta chrysanthemi</i> | Ray blight & stem canker |
| | | | <i>Mycosphaella zeae-maydis</i> syn. <i>Peyronellaea zeae-maydis</i> | Yellow leaf blight of maize |
| | | | <i>Phoma andigena</i> syn. <i>Stagonosporopsis andigena</i> | Black blight of potato |
| | | | <i>Phoma medicaginis</i> var. <i>pinodella</i> | Black stem, leaf spot |
| | | Halosphaeriaceae | <i>Periconia circinata</i> | Milo disease |
| | | Leptosphaeriaceae | <i>Leptosphaeria maculans</i> syn. <i>Plenodomus lingam</i> | Black leg |
| | | | <i>Plenodomus destruens</i> | Soil rot |
| | | Pleosporaceae | <i>Ascochyta fabae</i> | Leaf & pod spot |
| | | | <i>Drechslera maydis</i> Race T | Southern corn blight |
| | | | <i>Embellisia allii</i> | Dry rot |
| | | | <i>Stagnospora curtissii</i> | Leaf scorch |
| | | Venturiaceae | <i>Dibotryon morbosum</i> syn. <i>Apiosporina morbosa</i> | Black knot |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------------|--------------|----------------|---|---------------------------|
| Fungal diseases | Pleosporales | Venturiaceae | <i>Phaeocryptopus gaeumannii</i> | Swiss needle cast |
| | | | <i>Venturia carpophila</i> | Scab |
| | | | <i>Venturia cerasi</i> | Scab |
| | Pucciniales | Phakopsoraceae | <i>Phakopsora vitis</i> | Rust of Boston ivy |
| | | Phragmidiaceae | <i>Gymnoconia nitens</i> syn. <i>Gymnoconia interstitialis</i> | orange rust of blackberry |
| | | | <i>Phragmidium bulbosum</i> | Rust of blackberry |
| | | | <i>Phragmidium rubiidaeli</i> | |
| | | | <i>Phragmidium violacearum</i> | Rust of blackberry |
| | | | <i>Phragmidium</i> spp. | Rust |
| | | Physopella | <i>Physopella zaeae</i> | Tropical rust |
| | | Pucciniaceae | <i>Gymnosporangium</i> spp. | Apple and pear rusts |
| | | | <i>Puccinia horiana</i> | White rust |
| | | | <i>Puccinia pringsheimiana</i> | Cluster cup rust |
| | | | <i>Pucciniastrum americanum</i> | Rusts |
| | | | <i>Pucciniastrum goeppertianum</i> | Witches'broom |
| | | | <i>Pucciniastrum myrtili</i> | Leaf rust |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------------|------------------|-----------------|--|------------------------|
| Fungal diseases | Pucciniales | Pucciniaceae | <i>Uromyces dianthi</i> | Rust of carnation |
| | | | <i>Uromyces gladioli</i> | Rusts |
| | | | <i>Uromyces</i> spp. | Beetroot rust |
| | | | <i>Uromyces transversalis</i> | Smut |
| | Russulales | Bondarzewiaceae | <i>Heterobasidion annosum</i> | Butt rot of conifers |
| | | Stereaceae | <i>Amylostereum areolatum</i> | Sirex wasp fungus |
| | Tilletiales | Tilletiaceae | <i>Tilletia controversa</i> | Dwarf bunt |
| | Urocystidales | Urocystidaceae | <i>Urocystis cepulae</i> | Smut |
| | | | <i>Urocystis gladiolicola</i> | Smut |
| | Ustilaginales | Glomosporiaceae | <i>Sorosporium saponariae</i> syn. <i>Thecaphora saponariae</i> | Smut |
| | Xylariales | Diatrypaceae | <i>Eutypa armeniaceae</i> | Gummosis |
| Protista | Trypanosomatidae | Trypanosomatida | <i>Phytophthora staheli</i> | Fatal wilt or hart rot |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|-----------------|----------------|-------------------|--|
| Viral diseases | Mononegavirales | Rhabdoviridae | Cytorhabdovirus | Barley yellow striate mosaic (Cytorhabdovirus) |
| | | | | Strawberry crinkle leaf |
| | | | Dichorhavirus | Orchid fleck virus |
| | | | Nucleorhabdovirus | Yellow dwarf of sweet potato |
| | Ortevirales | Caulimoviridae | Rhabdovirus | Raspberry vein chlorosis |
| | | | Soymovirus | Blueberry red (necrotic) ringspot |
| | | | | |
| | Picornavirales | Secoviridae | Comovirus | Pea green mottle |
| | | | | Pea mild mosaic |
| | | | | Squash mosaic virus |
| | | | | Broad bean true mosaic |
| | | | Fabavirus | Broad bean wilt virus 1 |
| | | | | Broad bean wilt virus 2 |
| | | | Nepovirus | Arabis Mosaic virus |
| | | | | Cherry leaf roll virus |
| | | | | Chicory yellow mottle virus |
| | | | | Tomato black ring virus |
| | | | | Tomato ringspot virus |
| | | | | Blackcurrant reversion virus |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|----------------|-------------------|-------------------|-----------------------------------|
| Viral diseases | Picornavirales | Secoviridae | <i>Nepovirus</i> | Blueberry leaf mottle |
| | | | | Peach rosette mosaic virus |
| | | | | Grapevine viruses |
| | | | | Raspberry ring spot |
| | | | | Tobacco ring spot |
| | | | Unassigned | Strawberry latent ring spot virus |
| | | | | Strawberry latent ring spot virus |
| | | | <i>Waikavirus</i> | Maize chlorotic dwarf machlovirus |
| | Tymovirales | Alphaflexiviridae | <i>Potexvirus</i> | Cactus virus X. (Carlavirus) |
| | | | | Cymbidium mosaic virus |
| | | | | Hydrangea ring spot virus |
| | | | | Pepino mosaic virus |
| | | | | Tulip virus X |
| | | | | Strawberry mild yellow edge |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|-------------|------------------|---------------------|---------------------------------|
| Viral diseases | Tymovirales | Betaflexiviridae | <i>Capillovirus</i> | Apple stem grooving virus |
| | | | <i>Carlavirus</i> | Cactus virus 2 (Carlavirus) |
| | | | | Carnation latent |
| | | | | Chrysanthemum virus B |
| | | | | Lily symptomless |
| | | | | Lily curl stripe |
| | | | <i>Trichovirus</i> | Apple chlorotic leaf spot virus |
| | | | | Grapevine viruses |
| | | | <i>Vitivirus</i> | Grapevine viruses |
| | Unassigned | Germiniviridae | <i>Begomovirus</i> | Soybean crinkle leaf |
| | | Avsunviroidae | <i>Pelamoviroid</i> | Chrysanthemum chlorotic mottle |
| | | Bromoviridae | <i>Alfamovirus</i> | Alfalfa mosaic virus |
| | | | <i>Bromovirus</i> | Broad bean mottle virus |
| | | | <i>Cucumovirus</i> | Tomato aspermy virus |
| | | | <i>Ilarvirus</i> | Apple mosaic virus |
| | | | | Tobacco streak |
| | | | | Prunus necrotic ringspot |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|------------|-----------------|----------------------|--------------------------------|
| Viral diseases | Unassigned | Caulimoviridae | <i>Badnavirus</i> | Gooseberry vein banding |
| | | | <i>Caulimovirus</i> | Strawberry vein-banding |
| | | | <i>Soymovirus</i> | Soybean chlorotic mottle |
| | | Closteroviridae | <i>Closterovirus</i> | Beet yellows necrotic virus |
| | | | | Leaf mottle virus of raspberry |
| | | | | Carnation necrotic |
| | | | | Carrot yellow leaf |
| | | | | Grapevine viruses |
| | | | | Raspberry leaf mottle |
| | | | | Raspberry leaf mottle |
| | | Geminiviridae | <i>Begomovirus</i> | Watermelon chlorotic stunt |
| | | | | Watermelon curly mottle |
| | | | | Soybean crinkle leaf |
| | | Luteoviridae | <i>Enamovirus</i> | Pea enation mosaic |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|------------|----------------|-------------------------|-----------------------------------|
| Viral diseases | Unassigned | Luteoviridae | <i>Luteovirus</i> | Barley yellow dwarf (Luteovirus) |
| | | | | Soybean dwarf |
| | | | <i>Polerovirus</i> | Carrot red leaf |
| | | Nanoviridae | <i>Nanovirus</i> | Faba bean necrotic yellows virus |
| | | Ophioviridae | <i>Ophiovirus</i> | Blue berry mosaic |
| | | Partitiviridae | <i>Alphacryptovirus</i> | Alfalfa cryptic virus |
| | | | | Carnation cryptic virus 1 |
| | | Pospiviroidae | <i>Apscaviroid</i> | Apple scar skin virus |
| | | | <i>Cocadviroid</i> | Cadang cadang and related viroids |
| | | | <i>Pospiviroid</i> | Chrysanthemum stunt |
| | | | | Potato spindle tuber viroid |
| | | Potyviridae | <i>Bymovirus</i> | Barley yellow mosaic (Bymovirus) |
| | | | <i>Ipomovirus</i> | Mild mottle |
| | | | | Cucumber yellow |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|------------|-------------|------------|--------------------------------------|
| Viral diseases | Unassigned | Potyviridae | Potyvirus | Bidens mottle virus |
| | | | | Celery mosaic virus |
| | | | | Cowpea seed-borne viruses |
| | | | | Dasheen mosaic virus |
| | | | | Hyacinth mosaic virus (Potyvirus) |
| | | | | Internal cork of sweet potato |
| | | | | Iris virus |
| | | | | Leek yellow stripe virus |
| | | | | Onion yellow dwarf virus (Potyvirus) |
| | | | | Orchid vanilla necrosis |
| | | | | Passion fruit woodiness virus |
| | | | | Pea seed-borne mosaic (Potyvirus) |
| | | | | Pepper severe mosaic |
| | | | | Pepper veinal mottle |
| | | | | Potato virus Y |
| | | | | Russet crack of sweet potato |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|------------|---------------|-----------------|--------------------------------|
| Viral diseases | Unassigned | Potyviridae | Potyvirus | Soybean mosaic |
| | | | | Sunflower mosaic |
| | | | | Tulip breaking |
| | | | | Tulip breaking virus |
| | | | | Vanilla mosaic virus |
| | | | | Watermelon mosaic |
| | | | | Watermelon mosaic virus 2 |
| | | | | Zantedeschia mosaic virus |
| | | | | Zucchini yellow mosaic |
| | | Solemoviridae | Sobemovirus | Blue berry shoestring |
| | | Tombusviridae | Alphacarmovirus | Carnation mottle virus |
| | | | Aureusvirus | Cucumber leaf spot virus |
| | | | Carmovirus | Cucumber soil-borne virus |
| | | | | Pelargonium flower break virus |
| | | | Tombusvirus | Tomato bushy stunt virus |
| | | | | Cucumber necrosis virus |
| | | | | Carnation Italian ring spot |
| | | | | Pelargonium leaf curl virus |
| | | Unassigned | Idaeovirus | Raspberry bushy dwarf |
| | | | Sobemovirus | Blueberry shoestring |
| | | | Umbravirus | Carrot viruses mottle dwarf |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|------------|--------------|--------------------|---|
| Viral diseases | Unassigned | Unassigned | Unassigned | Orchid fleck virus |
| | | | | Rose wilt virus |
| | | | | Strawberry latent C |
| | | | | Blueberry red necrotic ring spot |
| | | | | Lily rosette |
| | | | | Raspberry leaf spot |
| | | | | Raspberry leaf curl |
| | | | | Soybean severe stunt |
| | | | | Sunflower viruses viz. crinkle, mosaic, yellow blotch |
| | | | | Tulip chlorotic blotch and other seed borne viruses |
| | Unassigned | Virgaviridae | <i>Furovirus</i> | Sorghum chlorotic spot |
| | | | <i>Hordeivirus</i> | Barley viruses viz. Stripe mosaic (Hordeivirus) |
| | | | <i>Pomovirus</i> | Broad bean necrosis |

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| PEST TYPE | ORDER NAME | FAMILY NAME | GENUS NAME | SPECIES NAME |
|----------------|------------|--------------|-------------|-------------------------------|
| Viral diseases | Unassigned | Virgaviridae | Tobamovirus | Cucumber green mottle virus |
| | | | | Odontoglossum ring spot virus |
| | | | | Peper mild mottle |
| | | | | Pepper mosaic |
| | | | Tobravirus | Pea early-browning virus |
| | | | | Peper ringspot |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------|-------------|----------------|--|----------------------|
| Weeds | Asparagales | Amaryllidaceae | <i>Allium vineale</i> | Crow garlic |
| | Asterales | Asteraceae | <i>Ambrosia maritima</i> | Sea ambrosia |
| | | | <i>Ambrosia psilostachya</i> | Perennial ragweed |
| | | | <i>Ambrosia trifida</i> | Crown weed |
| | | | <i>Anthemis cotula</i> | Dog fennel |
| | | | <i>Centaurea diffusa</i> | Diffuse knapweed |
| | | | <i>Centaurea maculosa</i> | Spotted knapweed |
| | | | <i>Centaurea solstitialis</i> | Barnaby's thistle |
| | | | <i>Cirsium vulgare</i> | Spear thistle |
| | | | <i>Chrysanthemoides monilifera</i> | Bone seed |
| | | | <i>Cichorium spinosum</i> | Spiny Chicory |
| | | | <i>Cichorium pumilum</i> | Dwarf chicory |
| | | | <i>Conyza sumatrensis</i> | Tall fleabane |
| | | | <i>Helianthus californicus</i> | California sunflower |
| | | | <i>Helianthus ciliaris</i> | Texas blueweed |
| | | | <i>Matricaria perforata</i> syn. <i>Tripleurospermum inodorum</i> | Scentless mayweed |
| | | | <i>Senecio jacobaea</i> syn. <i>Jacobaea vulgaris</i> | common ragwort |
| | | | <i>Senecio inaequidens</i> | African ragwort |
| | | | <i>Senecio madagascariensis</i> | Fireweed |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------|----------------|----------------|---|------------------------------|
| Weeds | Boraginales | Boraginaceae | <i>Cordia curassavica</i> | Black sage/Wild sage |
| | | | <i>Cynoglossum officinale</i> | |
| | | | <i>Heliotropium amplexicaule</i> | Ecuador laurel, onion cordia |
| | Brassicales | Brassicaceae | <i>Raphanus raphanistrum</i> | Wild radish |
| | | | <i>Thlaspi arvense</i> | Field pennycress |
| | Caryophyllales | Amaranthaceae | <i>Amaranthus blitoides</i> | Prostrate pigweed |
| | | | <i>Froelichia floridana</i> | Florida snake cotton |
| | | | <i>Salsola vermiculata</i> | Mediterranean saltwort |
| | | Polygonaceae | <i>Polygonum cuspidatum</i> syn. <i>Fallopia japonica</i> | Asiatic knotweed |
| | | | <i>Polygonum lapathifolium</i> | Pale persicaria |
| | Dipsacales | Caprifoliaceae | <i>Lonicera japonica</i> | Japanese honeysuckle |
| | Fabales | Fabaceae | <i>Centrosema pubescens</i> | Butterfly pea |
| | | | <i>Pueraria montana</i> var. <i>montana</i> | Rhodesian Kudzu |
| | Gentianales | Rubiaceae | <i>Richardia brasiliensis</i> | White eye – Australia |
| | | | <i>Galium aparine</i> | Cleavers |
| | Lamiales | Martyniaceae | <i>Proboscidea louisianica</i> | Devil's claw |
| | | Orobanchaceae | <i>Alectra vogelii</i> | Yellow witch weed |
| | | | <i>Orobanche cumana</i> syn. <i>Orobanche cernua</i> | Nodding broomrape |

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| PEST TYPE | ORDER NAME | FAMILY NAME | SPECIES AND GENUS NAME | COMMON NAME |
|-----------|--------------|----------------|---|-----------------------|
| | Lamiales | Orobanchaceae | <i>Orobanche minor</i> | Common broomrape |
| | | | <i>Striga hermonthica</i> | Purple witchweed |
| | | | <i>Striga aspera</i> | Witch weed |
| | | Plantaginaceae | <i>Veronica persica</i> | Creeping speedwell |
| | Malpighiales | Violaceae | <i>Viola arvensis</i> | Field pansy |
| | Poales | Poaceae | <i>Apera spica-venti</i> | Silky bent |
| | | | <i>Bromus secalinus</i> | Chess brome grass |
| | | | <i>Cenchrus incertus</i> Syn. <i>Cenchrus tribuloides</i> | Spiny burr grass |
| | | | <i>Digitaria velutina</i> | Velvet finger grass |
| | | | <i>Echinochloa crus-pavontsis</i> | Gulf cockspur grass |
| | | | <i>Lolium multiflorum</i> | Italian ryegrass |
| | | | <i>Leersia japonica</i> | Japanese cutgrass |
| | | | <i>Oryza longistaminata</i> | Perennial wild rice |
| | | | <i>Pennisetum macrourum</i> | African feather grass |
| | | | <i>Urochloa plantaginea</i> Syn. <i>Brachiaria plantiginea</i> | Plantain signal grass |
| | Ranunculales | Papaveraceae | <i>Fumaria officinalis</i> | Common fumitory |
| | Santalales | Santalalaceae | <i>Thesium australe</i> | Austral toadflax |
| | | | <i>Thesium humiale</i> | Dwarf thesium |
| | Solanales | Convulvulaceae | <i>Cuscuta australis</i> | |
| | | Solanaceae | <i>Solanum carolinense</i> | Horse nettle |

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