

MINISTRY FOR PRIMARY INDUSTRIES

IMPORTING COUNTRIES PHYTOSANITARY REQUIREMENTS

VIETNAM

Status: **Approved**

Date: **25 June 2002**

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:
16	3 August 2020	Amended Section 2.2.2 Import Permits and Section 4.6 Miscellaneous from "Malted barley" to "Malted products e.g. barley and other cereal grains".	MLM
15	12 June 2020	Added statement under section 2.4 Quarantine Pests regarding "0" limit to detections of quarantine pests as listed in Appendix 1.	DH
14	14 January 2019	Added cut flowers and foliage as a commodity not requiring an import permit in section 2.2.2.	SH
13	14 February 2016	Added commodity specific requirements for onion (<i>Allium cepa</i>) and garlic (<i>Allium sativum</i>) to section 4.1.1 as import permit no longer required.	HK
12	3 November 2016	Updated the disclaimer, general information and quarantine pests, section 1 and 2.4 respectively. Removed the Maximum Pest List,	GF

		<p>section 2.5. MPLs are covered in the MPI Phytosanitary Inspection Standard.</p> <p>Added the phrase, “refer to section 1.1 and the statement “If commodity or commodity group is not identified within this ICPR, refer to section 1.2.”, section 2.2, Scope and section 4, Commodity specific requirements.</p> <p>Added new section for Fees and Charges, section 1.4.</p> <p>Reformatted the presentation of quarantine pest list by providing the pest type, order, family and common names; provided synonyms, Appendix 1.</p> <p>Reformatted the presentation of the amendment record starting with the most recent record of amendments.</p>	
11	2 February 2015	<p>Updated quarantine pest list, section 2.4.</p> <p>Changes throughout document to reflect ministry name change, from MAF to MPI.</p> <p>Changed heading of section 2.5 to MPI specified Maximum Pest Limits (MPL's).</p>	SM
10	1 February 2012	Multiple changes to Section 3 Commodity Class Requirements and Section 4 Commodity General Requirements.	CB
9	28 November 2011	Viet Nam has determined for phytosanitary certification purposes all of New Zealand is considered to be a “pest free area” for all pests in their Quarantine Pest list (Refer to Section 2.4). This will remain in place for each commodity until a quarantine pest is intercepted at import, at which time Viet Nam will review the status of the commodity and a full pest risk analysis may be required.	BM
8	04 November 2011	Viet Nam has clarified (2/11/11) that in the event a regulated pest is detected on one of the historic trade consignments (Section 2.2.3) they will require a full pest risk analysis and may stop trade while this is undertaken.	CB
7	18 October 2011	Amended Section 2.2.3: For historic trade, Import permits are now required for the importation of the following	CB

		commodity classes from New Zealand: <ul style="list-style-type: none"> • Fruit and Vegetables (Fresh and Dried) • Cut Flowers and Foliage (Fresh and Dried) Amended Section 2.2.4: For new market access requests a full Pest Risk Analysis (PRA) is required before a Import permit can be issued.	
6	16 February 2011	Amended Section 2.2.3: For historic trade Import permits are not required for the importation of the following commodity classes from New Zealand: <ul style="list-style-type: none"> • Fruit and Vegetables (Fresh and Dried) • Cut Flowers and Foliage (Fresh and Dried) Addition of 2.2.4: For new market access a Import permit and Full Pest Risk Analysis (PRA) is required.	VK
4.	1 February 2005	Amendment of MAF contact details Section 1.1 and 1.2. Minor reformatting of document.	WJH
3.	14 February 2003	Renaming and reformatting of standard. Amendment to Section 2.5 re MPLs.	WJH
2.	25 June 2002	Revision and Reissue of EPS	WJH
1.	2 May 2000	Issue of EPS.	SCO
5.	28 March 2007	Amendment of MAF contact details Section 1.1	SW

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.

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Table of Contents

1	General Information	7
1.1	For enquires about this document email Plant Exports Team: plantexports@mpi.govt.nz.....	7
1.2	Scope	7
1.3	Phytosanitary Legislation	7
1.4	Fees and charges.....	7
2	General Requirements	8
2.1	Prohibitions.....	8
2.2	Import Permits	8
2.3	Phytosanitary Certificates.....	9
2.4	Quarantine Pests	9
2.5	Inspection on Arrival	9
2.6	Sampling Rates	9
2.7	Ports of Entry	10
2.8	Transit Requirements	10
2.9	Wood packaging	10
3	Commodity Class Requirements	10
3.1	Fruit and Vegetables.....	10
	3.1.1 Fresh Fruit and Vegetables	10
	3.1.2 Frozen Fruit and Vegetables	10
	3.1.3 Dried Fruit and Vegetables.....	10
3.2	Cut Flowers and Foliage	10
	3.2.1 Fresh Cut Flowers and Foliage	10
	3.2.2 Dried Cut Flowers and Foliage.....	10
3.3	Nursery Stock	11
	3.3.2 Whole Plants	11
	3.3.3 Budwood and Cuttings.....	11
	3.3.4 Bulbs, corms, rhizomes and tubers (for propagation)	11
	3.3.5 Tissue Culture.....	11
3.4	Seeds (grain) and Nuts.....	11
	3.4.1 Seed (grain) and Nuts for Sowing.....	11
	3.4.2 Seed (grain) and Nuts for Consumption.....	12
	3.4.3 Seed (grain) and Nuts for Processing	12
3.5	Growing Media and Packing Material.....	12
3.6	Miscellaneous	12
4	Commodity Specific Requirements	12
4.1	Fruit and Vegetables.....	12
	4.1.1 Fresh Fruit and Vegetables	12
	4.1.2 Frozen Fruit and Vegetables	13
	4.1.3 Dried Fruit and Vegetables.....	14
4.2	Cut Flowers and Foliage	14
	4.2.1 Fresh Cut Flowers and Foliage	14
	4.2.2 Dried Cut Flowers and Foliage.....	14
4.3	Nursery Stock	14
	4.3.1 Nursery Stock (General)	14

4.3.2 Whole Plants	14
4.3.3 Budwood and Cuttings.....	14
4.3.4 Bulbs, corms, rhizomes and tubers (for propagation)	14
4.3.5 Tissue culture	15
4.4 Seeds (grain) and Nuts	15
4.4.1 Seed (grain) and Nuts for Sowing.....	15
4.4.2 Seed (grain) and Nuts for Consumption.....	16
4.4.3 Seed (grain) and Nuts for Processing	16
4.5 Growing Media and Packing Material.....	16
4.6 Miscellaneous	16
Appendix 1. Quarantine Pest List as Notified by Vietnam	17

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 Plant Exports Team:

plantexports@mpi.govt.nz

Please state the nature of your enquiry in the subject line e.g. Vietnam 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 Vietnam's phytosanitary requirements. If a commodity or commodity group is not identified within this ICPR exporters should contact:

- Vietnam directly to ascertain requirements, refer to Section 2.2.4
- or
- The 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 Vietnam:

- Decree of Plant Protection and Quarantine 1993
- Regulation on Plant Quarantine No 92/CP
- Regulation on Plant Variety Management No 07/CP
- Regulation on articles subject to pest risk analysis no. 34/2007 QD-BNN

1.4 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 <http://mpi.govt.nz/exporting/food/fruit-and-vegetables/fees-and-charges/>

2 General Requirements

2.1 Prohibitions

No commodities of New Zealand origin are known to be prohibited entry to Vietnam.

2.2 Import Permits

2.2.1 Import permits state the phytosanitary requirements for importation.

2.2.2 Import permits are required for all commodity classes from New Zealand, excluding those listed directly below.

- Malted products e.g. barley and other cereal grains;
- Hop pellets and hop extract;
- Green beans – frozen;
- Peas – frozen;
- Potato fries – frozen;
- Corn kernels – frozen; and
- Retort sweet corn.
- Garlic – fresh
- Onion – fresh
- Cut flowers and foliage

Note:

- I. In the event that a regulated pest is detected on-arrival of one of these plants Vietnam will require a full pest risk analysis and may stop the trade while this is done.
- II. Vietnam has determined for phytosanitary certification purposes all New Zealand is considered to be a “pest free area” for all pests listed in the Quarantine Pest list (refer to Section 2.4) until note I (above) occurs.

2.2.3 For new market access a full Pest Risk Analysis (PRA) is required before a Import permit can be issued.

Pest risk analysis data has been submitted for potato, *Solanum tuberosum*, as fresh tuber for consumption, processing and seed potato for sowing

2.2.5 Import permits and conditions of import may be requested from:

Mr Hoang Trung
Deputy Director General
Plant Protection Department
149 Ho Dac Di St
Dong Da
HANOI
VIETNAM

Telephone: (00 84) 3 5334813
Email: hoangtrungppd@fpt.vn

2.3 Phytosanitary Certificates

Phytosanitary certificates are required to accompany ALL consignments of plants and plant products imported from New Zealand.

Note: Vietnam has determined that for the purposes of phytosanitary certification all of New Zealand is considered to be a “pest free area” for all the pests in their Quarantine Pest list.

2.4 Quarantine Pests

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

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

Vietnam have a “0” limit to any detection of any quarantine pest as listed in Appendix 1.

2.5 Inspection on Arrival

All consignments of imported plant material are subject to inspection for phytosanitary purposes on arrival using the following sample rates.

2.6 Sampling Rates

Consignment Size	Sample Size
‘Small’	100%
‘Large’	5%

Note: Vietnam has not defined the respective consignment sizes

2.6.1 The unit of inspection for all commodity classes is the individual plant or fruit

2.6.2 Where plant pests are found the consignment is liable to be treated. Treatment includes selecting, re-processing, cleaning, decontaminating, returning to

country of origin or destruction of the consignment.

2.7 Ports of Entry

Consignments are not restricted to enter via specific ports

2.8 Transit Requirements

Plants and plant products transiting Vietnam must be Ref Art 27 DPPQ

- Sealed within accompanying packaging
- Accompanied by a phytosanitary certificate

2.9 Wood packaging

Refer to Forestry ICPR for Vietnam, link below:

<http://mpi.govt.nz/law-and-policy/requirements/icprs/forestry-icprs/>

3 Commodity Class Requirements

3.1 Fruit and Vegetables

3.1.1 Fresh Fruit and Vegetables

Conditions:

Import permit required unless stated in section 4.1.1. Phytosanitary certificate required. For commodity specific requirements refer to Section 4.1.1. For commodities not listed in Section 4.1.1 a full Pest Risk Analysis (PRA) is required before an Import permit can be issued.

3.1.2 Frozen Fruit and Vegetables

Conditions:

Import permit not required. Phytosanitary certificate required. For commodity specific requirements refer to Section 4.1.2

3.1.3 Dried Fruit and Vegetables

Conditions:

Import permit not required. Phytosanitary certificate required.

3.2 Cut Flowers and Foliage

3.2.1 Fresh Cut Flowers and Foliage

Conditions:

Import permit not required. Phytosanitary certificate required.

3.2.2 Dried Cut Flowers and Foliage

Conditions:

Import permit not required. Phytosanitary certificate required.

3.3 Nursery Stock

3.3.1 Nursery Stock (General)

The Vietnamese Ministry of Agriculture and Food Industry must be advised a minimum of 10 days in advance of the entry of any nursery stock consignments.
Ref Article 18 DPPQ

Post entry quarantine may be required for items of Nursery stock.

3.3.2 Whole Plants

Conditions:

New Zealand does not have market access for whole plants. A full Pest Risk Analysis (PRA) is required for any new commodity before an import permit can be issued.

3.3.3 Budwood and Cuttings

Conditions:

New Zealand does not have market access for budwood and cuttings. A full Pest Risk Analysis (PRA) is required for any new commodity before an import permit can be issued.

3.3.4 Bulbs, corms, rhizomes and tubers (for propagation)

Conditions:

Import permit required. Phytosanitary certificate required. For commodity specific requirements refer to Section 4.3.4. For commodities not listed in Section 4.3.4 a full Pest Risk Analysis (PRA) is required before an import permit can be issued.

3.3.5 Tissue Culture

Conditions:

Import permit required. Phytosanitary certificate required. For commodity specific requirements refer to Section 4.3.5. For commodities not listed in Section 4.3.5 a full Pest Risk Analysis (PRA) is required before an import permit can be issued.

3.4 Seeds (grain) and Nuts

3.4.1 Seed (grain) and Nuts for Sowing

Conditions:

Import permit required. Phytosanitary certificate required. For commodity specific requirements refer to Section 4.4.1. For commodities not listed in Section 4.4.1 a full Pest Risk Analysis (PRA) is required before an import permit can be issued.

3.4.2 Seed (grain) and Nuts for Consumption

Conditions:

New Zealand does not have market access for seed (grain) and nuts for processing. A full Pest Risk Analysis (PRA) is required for any new commodity before an import permit can be issued.

3.4.3 Seed (grain) and Nuts for Processing

Conditions:

New Zealand does not have market access for seed (grain) and nuts for processing. A full Pest Risk Analysis (PRA) is required for any new commodity before an import permit can be issued.

3.5 Growing Media and Packing Material

Conditions:

New Zealand does not have market access for growing media and packing material. A full Pest Risk Analysis (PRA) is required for any new commodity before an import permit can be issued.

3.6 Miscellaneous

Conditions:

Import permit not required. Phytosanitary certificate required. For commodity specific requirements refer to Section 4.6 For commodities not listed in Section 4.6 a full Pest Risk Analysis (PRA) is required before an import permit can be issued.

4 Commodity Specific Requirements

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

Refer Section 3 for commodity class requirements

Notes:

- i. Vietnam has determined for phytosanitary certification purposes all New Zealand is considered a “pest free area” for all pests in the Quarantine Pest list (Section 2.4).
- ii. For new market access requests (i.e. commodities not listed below) a full Pest Risk Analysis (PRA) is required before an import permit can be issued.

4.1 Fruit and Vegetables

4.1.1 Fresh Fruit and Vegetables

Actinidia arguta

Kiwiberry

Conditions:

Import permit required. Phytosanitary certificate required.

Actinida deliciosa and A. chinensis Kiwifruit (green & gold)

Conditions:

Import permit required. Phytosanitary certificate required.

Allium cepa Onion

Conditions:

Import permit not required. Phytosanitary certificate required

Allium sativum Garlic

Conditions:

Import permit not required. Phytosanitary certificate required

Diospyros kaki Persimmon

Conditions:

Import permit required. Phytosanitary certificate required.

Malus spp. Apple

Conditions:

Import permit required. Phytosanitary certificate required.

Passiflora edulis Passionfruit

Conditions:

Import permit required. Phytosanitary certificate required.

Prunus armeniaca Apricot

Conditions:

Import permit required. Phytosanitary certificate required.

Prunus avium Cherry

Conditions:

Import permit required. Phytosanitary certificate required.

Vaccinium ashei and V. corymbosum Blueberry

Conditions:

Import permit required. Phytosanitary certificate required.

4.1.2 Frozen Fruit and Vegetables

Corn kernels

Conditions:

Import permit not required. Phytosanitary certificate required.

Green beans

Conditions:

Import permit not required. Phytosanitary certificate required.

Peas

Conditions:

Import permit not required. Phytosanitary certificate required.

Potato fries

Conditions:

Import permit not required. Phytosanitary certificate required.

4.1.3 Dried 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

4.2.2 Dried Cut Flowers and Foliage

Conditions:

Refer Section 3.2.2

4.3 Nursery Stock

4.3.1 Nursery Stock (General)

Conditions:

Refer Section 3.3.1

4.3.2 Whole Plants

Conditions:

Refer Section 3.3.2

4.3.3 Budwood and Cuttings

Conditions:

Refer Section 3.3.3

4.3.4 Bulbs, corms, rhizomes and tubers (for propagation)

Lilium spp.

Lily

Conditions:

Import permit required. Phytosanitary certificate required.

Sandersonia aurantiaca

Christmas bells

Conditions:

Import permit required. Phytosanitary certificate required.

4.3.5 Tissue culture

Zantedeschia spp. (Including *Z. aethiopica*; *Z. albomaculata*; *Z. elliottiana*; *Z. rehmannii*) Arum lily

Conditions:

Import permit required. Phytosanitary certificate required.

4.4 Seeds (grain) and Nuts

4.4.1 Seed (grain) and Nuts for Sowing

Apium spp. (including *A. graveolens* var. *dulce* Celery; Chinese Celery

Conditions:

Import permit required. Phytosanitary certificate required.

Beta vulgaris

Beet

Conditions:

Import permit required. Phytosanitary certificate required.

Brassica spp.(including *B. rapa*; *B. rapa* subsp. *oleifera*; *B. chinensis*; *B. campestris* subsp. *chinesis* var. *utilis*; *B. campestris* subsp. *pekinensis*; *B. juncea* var. *foliosa*, *B. juncea*; *B. parachinensis*; *B. alboglabra*; *B. campestris*; *B. nigra*; *B. oleracea*; *B. oleracea* var. *italica*; *B. rapa* subsp. *oleifera*).

Conditions:

Import permit required. Phytosanitary certificate required.

Daucus carota

Carrot

Conditions:

Import permit required. Phytosanitary certificate required.

Chrysanthemum coronarium

Chrysanthemum

Conditions:

Import permit required. Phytosanitary certificate required.

Coriandrum sativum

Coriander

Conditions:

Import permit required. Phytosanitary certificate required.

Cucurbita spp. (including *C. moschata*; *C. pepo*; *C. maxima*) Pumpkin; Squash

Conditions:

Import permit required. Phytosanitary certificate required.

Medicago sativa

Lucerne

Conditions:

Import permit required. Phytosanitary certificate required.

Raphanus sativus

Radish

Conditions:

Import permit required. Phytosanitary certificate required.

Sinapis alba

White radish

Conditions:

Import permit required. Phytosanitary certificate required.

Sinapis nigra

Black radish

Conditions:

Import permit required. Phytosanitary certificate required.

Spinacia oleracea

Spinach

Conditions:

Import permit required. Phytosanitary certificate required.

4.4.2 Seed (grain) and Nuts for Consumption

Refer Section 3.4.2

4.4.3 Seed (grain) and Nuts for Processing

Conditions:

Refer Section 3.4.3

4.5 Growing Media and Packing Material

Conditions:

Refer Section 3.5

4.6 Miscellaneous

Malted products e.g. barley and other cereal grains

Conditions:

Import permit not required. Phytosanitary certificate required.

Hop pellets and hop extract

Conditions:

Import permit not required. Phytosanitary certificate required.

Retort sweet corn

Conditions:

Import permit not required. Phytosanitary certificate required.

Appendix 1. Quarantine Pest List as Notified by Vietnam

PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Arachnids (mites and spiders)	Acarida	Tenuipalpidae	<i>Brevipalpus chilensis</i>	
			<i>Mononychellus tanajoa</i>	cassava green mite, cassava mite
			<i>Tetranychus pacificus</i>	Pacific mite
Insects	Coleoptera (beetles and weevils)	Elateridae	<i>Agriotes lineatus</i>	lined click beetle; striped elaterid beetle
		Attelabidae	<i>Rhynchites heros</i>	peach curculio; pear curculionid
		Bostrichidae	<i>Prostephanus truncatus</i>	greater grain borer; scania beetle
		Bruchidae	<i>Caryedon serratus</i>	groundnut borer
			<i>Pachymerus pallidus</i>	
			<i>Zabrotes subfasciatus</i>	Mexican bean weevil
		Chrysomelidae	<i>Diabrotica speciosa</i>	
			<i>Leptinotarsa decemlineata</i>	Colorado beetle
		Curculionidae	<i>Anthonomus grandis</i>	boll weevil, cotton boll weevil, thurberia weevil
			<i>Caulophilus oryzae</i>	broad-nosed grain weevil
			<i>Conotrachelus nenuphar</i>	plum curculio

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/>), 1-3 November 2016

PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Insects	Coleoptera (beetles and weevils)	Curculionidae	<i>Graphognathus leucoloma</i> syn. <i>Naupactus leucoloma</i>	white-fringed beetle
			<i>Metamasius hemipterus</i>	rotten cane stalk borer
			<i>Phlyctinus callosus</i>	garden weevil; vine calandra
			<i>Sitophilus granarius</i>	grain weevil
			<i>Sternochetus mangiferae</i>	mango nut weevil
		Dermestidae	<i>Trogoderma granarium</i>	khapra beetle
			<i>Trogoderma inclusum</i>	grain trogoderma
			<i>Trogoderma variabile</i>	
		Scarabaeidae	<i>Heteronychus arator</i>	African black beetle
			<i>Melolontha melolontha</i>	common European cockchafer
			<i>Popillia japonica</i>	Japanese beetle
	Diptera (flies)	Cecidomyiidae	<i>Mycophila speyeri</i>	mushroom midge
		Drosophilidae	<i>Drosophila suzukii</i>	cherry drosophila, spotted-wing drosophila
		Phoridae	<i>Megaselia halterata</i>	mushroom fly
		Syrphidae	<i>Eumerus strigatus</i>	lesser bulb fly, onion bulb fly, small narcissus fly

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/>), 1-3 November 2016

PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Insects	Diptera (flies)	Tephritidae	<i>Anastrepha fraterculus</i>	South American fruit fly
			<i>Anastrepha ludens</i>	Mexican fruit fly
			<i>Anastrepha obliqua</i>	West Indies fruit fly
			<i>Anastrepha serpentina</i>	orange fruit fly
			<i>Anastrepha striata</i>	guava fruit fly
			<i>Bactrocera albistrigata</i>	white striped fruit fly
			<i>Bactrocera depressa</i> syn. <i>Zeugodacus depressus</i>	pumpkin fruit fly
			<i>Bactrocera tryoni</i>	Queensland fruit fly
			<i>Bactrocera tsuneonis</i>	Japanese orange fly
			<i>Ceratitis capitata</i>	Mediterranean fruit fly
			<i>Ceratitis cosyra</i>	mango fruit fly
			<i>Ceratitis quinaria</i>	five-spotted fruit fly
			<i>Ceratitis rosa</i>	natal fly
			<i>Rhagoletis pomonella</i>	apple maggot fly

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/>), 1-3 November 2016

PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Insects	Hemiptera (aphids, scale and other bugs)	Diaspididae	<i>Diaspidiotus perniciosus</i> syn. <i>Quadraspidiotus perniciosus</i>	pear scale
			<i>Lindingaspis rossi</i>	Araucaria black scale
			<i>Selenaspidus articulatus</i>	armoured scale
	Lepidoptera (moths and	Lasiocampidae	<i>Malacosoma parallela</i>	mountain ring silk moth
		Arctiidae	<i>Hyphantria cunea</i>	American white moth
		Carposinidae	<i>Carpocapsa sasakii</i>	peach fruit borer
		Gelechiidae	<i>Phthorimaea operculella</i>	potato moth, potato tuber moth, stem-end grub
			<i>Symmetrischema tangolias</i>	South American potato tuber moth
		Noctuidae	<i>Mamestra brassicae</i>	cabbage armyworm
			<i>Sesamia cretica</i>	corn pink borer
		Tortricidae	<i>Cydia latiferreana</i>	acorn moth
			<i>Cydia pomonella</i>	codling moth
			<i>Epiphyas postvittana</i>	light brown apple moth
			<i>Grapholita funebrana</i> syn. <i>Cydia funebrana</i>	plum fruit moth, prune moth, red plum maggot

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/>), 1-3 November 2016

PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Insects	Lepidoptera (moths and butterflies)	Tortricidae	<i>Grapholita molesta</i>	oriental fruit moth, oriental peach moth, peach tip moth
			<i>Grapholita packardi</i> syn. <i>Cydia packardi</i>	cherry fruit worm
			<i>Grapholita prunivora</i> syn. <i>Cydia prunivora</i>	lesser apple worm, plum moth
			<i>Platynota stultana</i>	omnivorous leaf roller
			<i>Thaumatotibia leucotreta</i>	citrus codling moth
	Thysanoptera	Thripidae	<i>Caliothrips fasciatus</i>	bean thrips
			<i>Scirtothrips aurantii</i>	South African citrus thrips
Nematodes	Tylenchida	Anguinidae	<i>Ditylenchus angustus</i>	rice stem nematode
			<i>Ditylenchus dipsaci</i>	bloat disease of onion
			<i>Ditylenchus angustus</i>	rice stem nematode
			<i>Ditylenchus destructor</i>	potato root nematode

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/>), 1-3 November 2016

PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Nematodes	Tylenchida	Aphelenchoididae	<i>Aphelenchoides ritzemabosi</i>	chrysanthemum foliar nematode
			<i>Bursaphelenchus xylophilus</i>	pine wilt disease
			<i>Rhadinaphelenchus cocophilus</i> syn. <i>Bursaphelenchus cocophilus</i>	red ring nematode
		Heteroderidae	<i>Globodera pallida</i>	pale potato cyst nematode
			<i>Globodera rostochiensis</i>	golden nematode
		Meloidogynidae	<i>Meloidogyne chitwoodi</i>	Columbia root-knot nematode
			<i>Meloidogyne ethiopica</i>	root-knot nematode
			<i>Meloidogyne fallax</i>	false Columbia root-knot nematode
			<i>Meloidogyne hapla</i>	northern root-knot nematode
		Pratylenchidae	<i>Nacobbus aberrans</i>	false root-knot nematode
			<i>Radopholus similis</i>	banana root nematode

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PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Bacterial diseases	Actinomycetales	Microbacteriaceae	<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i>	bacterial canker of tomato
	Enterobacteriales	Enterobacteriaceae	<i>Pantoea stewartii</i>	bacterial leaf blight of maize
	Pseudomonadales	Pseudomonadaceae	<i>Pseudomonas syringae</i> pv. <i>garcae</i>	dieback of coffee
	Xanthomonadales	Xanthomonadaceae	<i>Xylella fastidiosa</i>	Anaheim disease; dwarf disease of lucerne
Fungal diseases	Agaricales	Mycenaceae	<i>Mycena citricolor</i>	American leaf spot of coffee
	Botryosphaeriales	Phyllostictaceae	<i>Guignardia bidwellii</i> syn. <i>Phyllosticta ampellicida</i>	black rot of grapevine
	Capnodiales	Mycosphaerellaceae	<i>Microcyclus ulei</i>	South American leaf blight of hevea
	Chytridiales	Synchytriaceae	<i>Synchytrium endobioticum</i>	black scab of potato
	Diaporthales	Cryphonectria	<i>Cryphonectria parasitica</i>	blight of chestnut
	Helotiales	Sclerotiniaceae	<i>Ciborinia camelliae</i>	flower blight of camellia; petal blight of camellia

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PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Fungal diseases	Hypocreales	Clavicipitaceae	<i>Balansia oryzae - sativae</i>	black choke of rice
			<i>Claviceps africana</i>	ergot of sorghum; sugary disease of sorghum
		Hypocreaceae	<i>Verticillium albo-atrum</i>	verticillium wilt
	Peronosporales	Peronosporaceae	<i>Phytophthora boehmeriae</i>	boll rot of cotton
	Pezizales	Rhizanceae	<i>Phymatotrichopsis omnivora</i>	root rot of conifers
	Pleosporales	Didymellaceae	<i>Boeremia foveata</i>	
		Leptosphaeriaceae	<i>Phoma tracheiphila</i> syn. <i>Plenodomus tracheiphilus</i>	dieback of citrus
	Pucciniales	Pucciniaceae	<i>Puccinia psidii</i>	rust of eucalyptus
	Tilletiales	Tilletiaceae	<i>Tilletia indica</i>	Indian bunt of wheat
	Unassigned	Unassigned	<i>Polyscytalum pustulans</i>	skin spot of potato
PEST TYPE	ORDER NAME	FAMILY NAME	GENUS NAME	SPECIES NAME
Viral diseases	Mononegavirales	Rhabdoviridae	<i>Rhabdovirus</i>	Coffee ringspot virus
	Unassigned	Bromoviridae	<i>Alfamovirus</i>	Alfalfa mosaic virus
		Potyviridae	<i>Potyvirus</i>	Peanut stripe virus
				Plum pox virus
		Pospiviroidae	<i>Pospiviroid</i>	Potato spindle tuber viroid

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PEST TYPE	ORDER NAME	FAMILY NAME	SPECIES AND GENUS NAME	COMMON NAME
Weeds	Asterales	Asteraceae	<i>Cirsium arvense</i>	creeping thistle
	Lamiales	Orobanchaceae	<i>Orobanche aegyptiaca</i>	Egyptian broomrape
			<i>Orobanche crenata</i>	crenate broomrape
			<i>Orobanche cernua</i>	nodding broomrape
			<i>Orobanche ramosa</i> syn. <i>Phelipanche ramosa</i>	branched broomrape
			<i>Striga angustifolia</i>	
			<i>Striga asiatica</i>	red witchweed
			<i>Striga densiflora</i>	
			<i>Striga hermonthica</i>	purple witchweed
	Solanales	Convolvulaceae	<i>Cuscuta australis</i> syn. <i>Cuscuta scandens</i>	Southern dodder
			<i>Cuscuta chinensis</i>	Chinese dodder

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