Ministry for Primary Industries
Manatū Ahu Matua

Import Health Standard

Poles, Piles, Rounds and Sleepers from All Countries

PPRSWOOD. IHS

17 October 2018

Issued under the Biosecurity Act 1993

New Zealand Government

TITLE

Import Health Standard: Poles, Piles, Rounds and Sleepers from All Countries

COMMENCEMENT

This Import Health Standard comes into force on 17 October 2018

REVOCATION

This import health standard revokes and replaces Import Health Standard: *Poles, Piles, Rounds and Sleepers from All Countries* issued 26th May 2017.

ISSUING AUTHORITY

This Import Health Standard is issued under section 24A of the Biosecurity Act 1993.

Dated at Wellington, 17 October 2018

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

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Contents

Introduction

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

Purpose

This IHS describes the phytosanitary requirements that must be met for imported poles, piles, rounds and sleepers to be given biosecurity clearance into New Zealand.

Background

This IHS has been developed under the requirements of the Biosecurity Act (1993) and in regard to New Zealand's obligations under the International Plant Protection Convention (1997).

This amendment contains no change in content, but is issued in the new Ministry for Primary Industries (MPI) format for IHSs.

Who should read this?

This IHS applies to all importers of poles, piles, rounds and sleepers.

Why is this important?

It is the importers responsibility to ensure the risk goods comply with the requirements of this IHS. Risk goods that do not comply with the requirements of this IHS may not be cleared for entry into New Zealand.

Risk goods that do not comply with the requirements of this IHS may be directed for treatment, re-shipment, destruction or further action deemed appropriate by the Chief Technical Officer (CTO). The pathway may be suspended, if certain types of viable regulated pests are intercepted on the consignment.

Importers are liable for all associated expenses.

Equivalence

A CTO may consider an equivalent phytosanitary measure, once that measure is proven to maintain at least the same level of protection assured by the current measures in this IHS. Equivalence is determined in accordance with ISPM 24 (*Guidelines for the determination and recognition of equivalence of phytosanitary measures*).

Other information

Compliance with the provisions of this IHS does not absolve the importer of the need to comply with other laws relating to or prohibiting the importation of goods (e.g. Trade in Endangered Species Act 1989, Customs and Excise Act 1996).

As specified in the Hazardous Substances and New Organisms Act (1996), proposals for the deliberate introduction of new organisms (including genetically modified organisms) as defined by the Act should be referred to the Environmental Protection Authority.

Part 1: General

1.1 Application

(1) This import health standard (IHS) describes the phytosanitary requirements that must be met for poles, piles, rounds and sleepers to be given biosecurity clearance into New Zealand.

1.2 Incorporation by reference

(1) This IHS has been developed under the requirements of the Biosecurity Act (1993) and in regard to New Zealand's obligations under the International Plant Protection Convention (1997).

(2) This IHS refers to the following documents:

MPI's Biosecurity Organisms Register for Imported Commodities (BORIC)

International Standard for Phytosanitary Measures

- ISPM 5 (*Glossary of Phytosanitary Terms*)
- ISPM 12 (*Guidelines for Phytosanitary Certificates*)
- ISPM 24 (*Guidelines for the determination and recognition of equivalence of phytosanitary measures*).

1.3 Definitions

(1) Refer to Appendix 2.

1.4 Biosecurity clearance

(1) If the requirements of this IHS have been met, and regulated pests are not detected or are treated following interception/detection, biosecurity clearance may be given.

Part 2: Specific Requirements

2.1 Commodity description

(1) The commodity description is poles, piles, rounds and sleepers including new and used railway sleepers and any wood pieces greater than 300mm in minimum thickness (cross-section).

(2) Pieces of wood (not including sleepers) that are smaller than specified may be imported into New Zealand under the requirements of the IHS: *Sawn wood.*

2.2 Pest list

(1) Pests are categorised into regulated and non-regulated pests.

2.3 Basic requirements

(1) A list of common pests associated with poles, piles, rounds and sleepers is identified in Appendix 1(a) and (b) to this IHS. Where a pest is detected and not listed, the regulatory status of this organism can be identified by referring to BORIC requirements

(2) All consignments of poles, piles, rounds and sleepers must be:

a) free of live regulated pests (refer to Appendix 1(a));
b) packed and/or shipped in a manner that prevents infestation and/or contamination by live regulated pests, if packaged prior to shipping;
c) free of contamination (e.g. leaves, soil)

i) a contamination rate up to 0.01%; weight/weight contaminants is acceptable;

d) bark-free wood.

(3) All consignments of poles, piles, rounds and sleepers of *Pinus* species originating from areas not considered by MPI to be *free of Fusarium circinatum* must be:

a) heat treated as stated in Part 2.5 (1)(b); or
b) chemically treated for fungicidal protection as stated in Part 2.5 (1)(c).

(4) All consignments of poles, piles and rounds must be:

a) fumigated as stated in Part 2.5 (1)(a); or
b) heat treated as per Part 2.5 (1)(b).

(5) All consignments of new and used sleepers must be heat treated as stated in Part 2.5 (1)(b).

2.4 Treatment

(1) All treatment completed prior to import must comply with the requirements of this IHS.

(2) All consignments of poles, piles, rounds and sleepers that are fumigated or heat-treated prior to export, must be treated no more than twenty-one (21) days before packaging/loading/shipping to New Zealand.

(3) Break-bulk consignments of poles, piles, rounds and or sleepers must be transported to New Zealand in a manner that allows for pre-unloading inspection of the consignment on the vessel.

2.5 Treatment options

(1) Treatment options are as follows:

a) Fumigation with methyl bromide or sulphuryl fluoride of filleted (separated vertically or horizontally by a minimum of 5mm airspace in one dimension, every 200mm) at:

i) 160 g/m^3 for more than 48 continuous hours, at a temperature between 10°C and 15°C; or
ii) 120 g/m^3 for more than 48 continuous hours, at temperatures 15.1°C and above.

OR

b) Heat treatment (or kiln drying) at one of the following minimum continuous core temperature and minimum time combinations:

Core temperature (°C)	Time (minutes)
70	240
80	120
90	60
100	30
110	20
120	15

OR

c) Chemical preservation of poles, piles and rounds (not including sleepers) to full sapwood penetration using one of the chemicals as specified in the following table:

Chemical	Minimum Retention
Boron compounds *(insecticidal and limited fungicidal protection)*	0.1% Boric Acid equivalent minimum loading in the sapwood core
Copper + didecyldimethyl ammonium chloride (DDAC) *(insecticidal & fungicidal protection)*	0.35% mass/mass OR 2.8 kg/m^3 in softwood timbers, 5.60 kg/m^3 in hardwood timbers.
Copper azole *(insecticidal & fungicidal protection)*	0.27% mass/mass OR 1.35 kg/m^3 in softwood timbers, 2.7 kg/m^3 in hardwood timbers.
Copper Chrome Arsenic (CCA) *(insecticidal & fungicidal protection)*	0.27% mass/mass OR 3kg/m^3 minimum preservative retention
Arsenic *(insecticidal protection only)*	0.04% minimum preservation loading in sapwood core
Permethrin *(insecticidal protection only)*	Minimum retention of not less than 0.06% mass/mass

2.6 On-arrival verification

(1) Certificates accompanying a consignment and submitted as clearance documentation must reconcile with the actual consignment.

(2) If original and appropriate certification is not provided, the consignment will be considered untreated.

(3) All consignments that are not packaged in a manner considered by MPI to adequately protect the goods from re-infestation after treatment, or were not shipped within the required time period after treatment, will be considered untreated.

(4) All consignments of untreated poles, piles and rounds (except as per (5) and (6) below) must be treated as stated in Part 2.5, reshipped or destroyed;

a) after treatment the consignment must be inspected for evidence of pests or extraneous organic material (e.g. leaves, twigs, soil).

(5) All consignments of untreated sleepers must be heat treated as stated in Part 2.5(1)(b), reshipped or destroyed;

a) after treatment the consignment must be inspected for evidence of pests or extraneous organic material (e.g. leaves, twigs, soil).

(6) All consignments of untreated poles, piles, rounds and sleepers from *Pinus* spp. originating from areas not considered to be free from *Fusarium circinatum* must be heat treated as per the treatment specifications stated in Part 2.5 (1)(b), reshipped, or destroyed;

a) after treatment the consignment will be inspected for evidence of pests or extraneous organic material (e.g. leaves, twigs, soil).

(7) All consignments of treated poles, piles, rounds and sleepers must be inspected to verify that the treatment was effective and the consignment is free of contaminants.

(8) All inspections completed on arrival in New Zealand must be carried out in a transitional facility approved for that purpose.

2.7 Actions undertaken on the interception/detection of organisms/contaminants

(1) All live organisms detected on poles, piles, rounds and sleepers may be identified at the importers option and expense to determine the regulatory status of the organism.

(2) If regulated pests are intercepted/detected on the commodity, or associated packaging, the following actions will be undertaken as appropriate (depending on the pest identified, see Appendix 1(a)):

a) treatment as per Part 2.5;
b) reshipment;
c) destruction;
d) the suspension of trade, until the cause of the non-compliance is investigated, identified and rectified to the satisfaction of a CTO.

(3) Lots contaminated with bark pieces or greater than 0.01% weight/weight soil or other contaminants (e.g. leaves, twigs) must have the contaminating material removed (if possible), or be treated, re-shipped or destroyed.

(4) All treatments must be carried out in a transitional facility approved for that purpose. Consignments treated under direct MPI supervision do not require further inspection under this IHS.

Part 3: Documentation requirements

3.1 Certificates

(1) An import permit is not required to import poles, piles, rounds and sleepers into New Zealand.

(2) The importer may use any one of the following options for the purpose of certifying the treatment status of consignments to be imported into New Zealand:

a) Phytosanitary certificate issued by the NPPO and based on the model certificate included in *ISPM 12(Guidelines for Phytosanitary Certificates);*

OR

b) Phytosanitary certificate issued by the NPPO other than the certificate specified in (a) to which the following is to be included:

i) "*The poles/piles/rounds/sleepers in this consignment has been inspected according to appropriate official procedures and are considered to be free from the regulated pests specified by MPI and to conform to New Zealand's current phytosanitary requirements*"

OR

c) Treatment certificate issued by the manufacturer or operator/manager of the treatment company.

(3) All certification must be original, free of alterations and erasures, and printed in English.

3.2 Certification Information

(1) If used, a certificate must contain the following information:

a) a full description of the consignment and wood component, including the scientific or common name of the wood type(s);
b) all relevant identification marks and brands;
c) the number and/or volume of items treated;
d) the container number (where applicable); and
e) the following additional declarations may be used (where applicable).

i) Certificates for consignments that have been fumigated as per Part 2.5(1)a) may contain the following declaration:

"The poles/piles/rounds/sleepers have been fumigated with ____ **(methyl bromide or sulphuryl fluoride)** ____ **at** __ **(Fumigant concentration (g/m^3))** __ **for** __ **(Duration of treatment)** __ **at a minimum temperature of** __ **(Minimum temperature during treatment)** __ **on the** __ **(Date of treatment (dd/mm/yy)** __**."**

ii) Certificates for consignments that have been heat-treated (or kiln dried) as per 2.5(1)b) may contain the following declarations:

"The poles/piles/rounds/sleepers have been heated for __ **(Duration of treatment)** __ **at a minimum core temperature of** __ **(Minimum core temperature during treatment)** __ **on the** __ **(Date of treatment (dd/mm/yy)** __**."** or

"The poles/piles/rounds/sleepers have been kiln dried to __ **(Moisture %)** __ **percent moisture content at temperatures exceeding** __ **(Temperature during treatment)** __ **for**__ **(Duration of treatment)** __ **on the** __ **(Date of treatment (dd/mm/yy)** __**."** or

iii) Certificates for consignments that have been chemically preserved as per 2.5(1)c) may contain the following declaration:

"The poles/piles/rounds/sleepers have undergone chemical preservation using ____ **(active ingredients of preservative)** ____ **by** _____ **(method of preservative application)** ____ **achieving a preservative active ingredient loading of** _____ **(kg/m^3, or weight/weight %, or net dry salt retention)** _____**."**

3.3 Transit

(1) Where a consignment is under the direct control of the transit country NPPO and is either stored, split up or had its packaging changed while in transit through that country *en route* to New Zealand, a "Re-export Certificate" is required.

(2) Where a consignment is held under official control as a result of the need to change conveyances and is kept in the original shipping container, a "Re-export Certificate" is not required.

Appendix 1(a): Regulated Pest List Potentially Associated with Poles, Piles, Rounds and Sleepers

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Micro-organisms				
Atropellis tingens	Fungus	Canker	Heat, Chemical	Treatment, Reshipment or Destruction
Caliciopsis pinea	Fungus	Canker	Heat, Chemical	Treatment, Reshipment or Destruction
Calonectria ilicicola	Fungus	Collar rot	Heat, Chemical	Treatment, Reshipment or Destruction
Calonectria indusiata	Fungus	Root & stem rot	Heat, Chemical	Treatment, Reshipment or Destruction
Cronartium quercuum	Fungus	Pine blister rust	Heat, Chemical	Treatment, Reshipment or Destruction
Cronartium quercuum f.sp. *fusiforme*	Fungus	Stem rust	Heat, Chemical	Treatment, Reshipment or Destruction
Cryphonectria cubensis	Fungus	Basal / stem canker	Heat, Chemical	Treatment, Reshipment or Destruction
Cryphonectria havanensis	Fungus	Stem canker	Heat, Chemical	Treatment, Reshipment or Destruction
Dermea pini	Fungus	Shoot blight	Heat, Chemical	Treatment, Reshipment or Destruction
Elytroderma deformans	Fungus	Needle blight	Heat, Chemical	Treatment, Reshipment or Destruction
Endocronartium pini	Fungus	Stem rust	Heat, Chemical	Treatment, Reshipment or Destruction
Fusarium circinatum	Fungus	Pine pitch canker	Heat, Chemical	Treatment, Reshipment or Destruction
Gloeophyllum abietinum	Fungus		Heat, Chemical	Treatment, Reshipment or Destruction
Graphium spp.	Fungus	Blue stain, wilt	Heat, Chemical	Treatment, Reshipment or Destruction
Heterobasidion annosum	Fungus	Root rot	Heat, Chemical	Treatment, Reshipment or Destruction
Ischnoderma resinosum	Fungus		Heat, Chemical	Treatment, Reshipment or Destruction
Mucor spinosus	Fungus		Heat, Chemical	Treatment, Reshipment or Destruction
Ophiostoma leptographioides	Fungus		Heat, Chemical	Treatment, Reshipment or Destruction
Ophiostoma spp.	Fungus	Blue stain, wilt	Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Phacidium coniferarum	Fungus	Pine canker, dieback	Heat, Chemical	Treatment, Reshipment or Destruction
Phellinus noxius	Fungus	Wood rot	Heat, Chemical	Treatment, Reshipment or Destruction
Sparassis crispa	Fungus	Root and butt rot	Heat, Chemical	Treatment, Reshipment or Destruction
Trametes trogii	Fungus	Wound parasite	Heat, Chemical	Treatment, Reshipment or Destruction
Trichaptum abietinus	Fungus	Butt rot	Heat, Chemical	Treatment, Reshipment or Destruction
Arthropods				
Abantiades latipennis	Hepialidae	Ghost moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Aenetus lignivorus	Hepialidae	Common splendid ghost moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Aenetus paradiseus	Hepialidae	Splendid ghost moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Agrilus opulentus	Buprestidae	Flat headed borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Agrilus sexsignatus	Buprestidae	Varicose borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Anaglyptus subfasciatus	Cerambycidae	Cryptomeria twig borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Anoplolepis gracilipes	Formicidae	Yellow crazy ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Anoplophora glabripennis	Cerambycidae	Asian longhorned beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Antheraea helena	Saturniidae	Helena moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Arhopalus productus	Cerambycidae	New house borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Arhopalus rusticus	Cerambycidae	Rusty longhorned beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Asemum striatum	Cerambycidae	Black spruce borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Austroplatypus incompertus	Platypodidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Bostrychoplites cornutus	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Buprestis aurulenta	Buprestidae	Golden buprestid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Buprestis lecontei	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Buprestis maculativentris	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Cacodacnus hebridanus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Callidium violaceum	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Camponotus abdominalis	Formicidae	Carpenter ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Camponotus herculeanus	Formicidae	Carpenter ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Camponotus pennsylvanicus	Formicidae	Carpenter ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Cardiaspina squamula	Psyllidae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Celosterna scabator	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium declaratum	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium flavipes	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium guttaticolle	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium holophaeum	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium longicorne	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium nilgiriensis	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium sinicum	Cerambycidae	Brown twig-girgling longhorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium sinicum ornaticolle	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ceresium sinicum sinicum	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Chloridolum cinnyris	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Chloridolum scytalicum	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Chrysophtharta agricola	Chrysomelidae	Southern eucalyptus leaf beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Chrysophtharta bimaculata	Chrysomelidae	Tasmanian eucalyptus leaf beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Coptocercus vinicus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Coptotermes acinaciformis	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Coptotermes curvignathus	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Coptotermes formosanus	Rhinotermitidae	Formosan subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Coptotermes frenchi	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Coptotermes sjostedti	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Cordylomera spinicornis	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Crossotarsus externedentatus	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Cryphalus spp.	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Cryptotermes brevis	Kalotermitidae	West Indian drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Cryptotermes buxtoni	Kalotermitidae	Drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Cryptotermes cynocephalus	Kalotermitidae	Drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Crypturgus borealis	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Cyclorhipidion sexspinatum	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Cyrtogenius fijianus	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dendroctonus adjuncatus	Scolytidae	Roundheaded pine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dendroctonus brevicomis	Scolytidae	Western pine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dendroctonus frontalis	Scolytidae	Southern pine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dendroctonus ponderosae	Scolytidae	Mountain pine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dendroctonus pseudotsuga	Scolytidae	Douglas fir beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dendroctonus rufipennis	Scolytidae	Spruce beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dendroctonus terebrans	Scolytidae	Black turpentine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dendroctonus valens	Scolytidae	Red turpentine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Diacavus diaphanus	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Diapus pusillimus	Platypodidae	Walnut pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Diapus quinquespinatus	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Dicera horni	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Didymuria violescens	Phasmatidae	Spurlegged phasmatid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dinoderus bifoveolatus	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dinoderus minutus	Bostrichidae	Ghoon borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Diorthus cinereus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Doratifera vulnerans	Limacodidae	Mottled cup moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Dryocoetes spp.	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Elaphidion nanum	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Epithora dorsalis	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ergates spiculatus	Cerambycidae	Ponderous borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Eupogonius tomentosus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Glycaspis cameloides	Spondyliaspididae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Glycaspis endasa	Spondyliaspididae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Glycaspis nigrocincta	Spondyliaspididae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Glycaspis particeps	Spondyliaspididae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Gnathotrichus retusus	Scolytidae	Spring gnathotrichus	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Gnathotrichus spp.	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Gnathotrichus sulcatus	Scolytidae	Scratched-face ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hadrobregmus destructor	Anobiidae	Pacific powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hemicoelus gibbicollis	Anobiidae	Pacific powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hesperophanes campestris	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hesperophanes fasciculatus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hesperophanes griseus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Hesperophanes heydeni	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hesperophanes maculatus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hesperophanes spp.	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hesthesis cingulata	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Heterobostrychus aequalis	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Heterobostrychus brunneus	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Heteronyx crinitus	Scarabaeidae	Scarab beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Heteronyx n. sp. var. *comans*	Scarabaeidae	Scarab beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Heteronyx striatipennis var. *jabatus*	Scarabaeidae	Scarab beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Heterotermes spp.	Rhinotermitidae	Subterranean termites	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hoplocerambyx spinicornis	Cerambycidae	Sal borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylastes ater	Scolytidae	Black pine bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylastes gracilis	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylastes macer	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylastes nigrinus	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylastes ruber	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylastes spp.	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylesinus varius	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylobius abietis	Curculionidae	Large pine weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylobius pales	Curculionidae	Pales weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylobius radicis	Curculionidae	Pine root collar weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hylobius warreni	Curculionidae	Warren's collar weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Hypertropha tortriciformis	Hypertrophidae		Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Incisitermes spp.	Kalotermitidae	Drywood termites	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips acuminatus	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips calligraphus	Scolytidae	Eastern six-spined engraver	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips erosus	Scolytidae	Mediterranean pine engraver	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips grandicollis	Scolytidae	Eastern five-spined engraver	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips mexicanus	Scolytidae	Monterey pine ips	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips paraconfusus	Scolytidae	California five-spined ips	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips pini	Scolytidae	Pine engraver	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips plastographus maritimus	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips sexdentatus	Scolytidae	Six-toothed bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Ips typographus	Scolytidae	European spruce bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Kalotermes arizonensis	Kalotermitidae	Drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Kalotermes hilli	Kalotermitidae	Drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Lithurge scabrosus	Megachilidae	Leaf cutting bee	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Lophyrotoma interrupta	Pergidae	Cattle poisoning sawfly	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Lyctus africanus	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Lyctus planicollis	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Lyctus sinensis	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Macrones rufus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Mastotermes darwiniensis	Mastotermitidae	Giant northern termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Megacyllene caryae	Cerambycidae	Painted hickory borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Melanophila californica	Buprestidae	California flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Microcerotermes spp.	Termitidae	Termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Minthea reticulata	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Minthea rugicollis	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Minthea squamigera	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Mnesampela privata	Geometridae	Autumn gum moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Molorchus minor	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monarthrum nr. *Hoegei*	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus alternatus	Cerambycidae	Rusty pine longhorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus bimaculatus	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus clamator	Cerambycidae	Spotted pine sawyer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus gravidus	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus guerryi	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus guttatus	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus impluviatus	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus notatus	Cerambycidae	Northeastern sawyer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus obtusus	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus saltuarius	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus scutellatus	Cerambycidae	White-spotted sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus sparsutus	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus sutor	Cerambycidae	Small white-marmorated longicorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Monochamus urusovi	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Nacerdes melanura	Oedemeridae	Wharf borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Nascio vetusta	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Nascioides parryi	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Nasutitermes exitiosis	Termitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Neoclytus acuminatus	Cerambycidae	Redheaded ash borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Neotermes insularis	Kalotermitidae	Ring ant termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Olethrius tyrannus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Opsimus quadrilinea	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Orthotomicus caelatus	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Orthotomicus spp.	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Paralaea beggaria	Geometridae	Peppermint looper	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Parisopalpus macleayi	Oedemeridae	False blister beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Paropsis atomaria	Chrysomelidae	Eucalyptus tortoise beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Paratrechina longicornis	Formicidae	Crazy ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Perga affinis insularis	Pergidae	Large green sawfly	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Phaloeophagus brunneus	Curculionidae	Weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Phlyctaenodes pustulosus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Phoracantha recurva	Cerambycidae	Yellow longhorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Phoracantha tricuspis	Cerambycidae	Common longicorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Phylacteophaga spp.	Hymenoptera	Leafblister sawfly	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Phymatodes testaceous	Cerambycidae	Tanbark borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Pissodes nemorensis	Curculionidae	Deodar weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Plagionotus arcuatus	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Platypus bifurcus	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Platypus jansoni	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Platypus micrurus	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Platypus shoreanus	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Platypus subgranosus	Platypodidae	Mountain pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Platypus wilsoni	Scolytidae	Wilson's wide-headed ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Podacanthus wilkinsoni	Phasmatidae	Gregarious phasmatid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Polygraphus rufipennis	Scolytidae	Four-eyed spruce bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Popilius disjunctus	Passalidae	Bess beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Porotermes adamsonii	Termopsidae	Dampwood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Psaltoda moerens	Cicadidae	Red eye cicada	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Pseudoperga lewisii	Pergidae	Pale brown sawfly	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Reticulitermes hesperus	Rhinotermitidae	Western subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Reticulitermes spp.	Rhinotermitidae	Subterranean termites	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Rhachiodes dentifer	Curculionidae	Weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Schedorhinotermes intermedius	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Schedotrioza marginata	Triozidae	Psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Schedotrioza multitudinea	Triozidae	Psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Scolecobrotus westwoodi	Cerambycidae	Roughshouldered longicorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Scolytus intricatus	Scolytidae	European oak bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Scolytus spp.	Scolytidae	Engraver beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Semanotus amethystinus	Cerambycidae	Amethyst cedar borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Semanotus ligneus ampla	Cerambycidae	Cedar tree borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Semanotus litigiosus	Cerambycidae	Long horn beetles	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Serropalpus barbatus	Melandryidae	False darkling beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Shirahoshizo spp.	Curculionidae	Pine weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Sinoxylon anale	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Sirex areolatus	Siricidae	Woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Sirex cyaneus	Siricidae	Blue horntail or woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Sirex juvencus	Siricidae	Woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Sirex noctilio	Siricidae	Steel blue wood wasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Stephanopachys rugosus	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Strictoleptura canadensis	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Stromatium longicorne	Cerambycidae	Tropical longicorne	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Strongylorhinus ochraceous	Curculionidae	Weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Syarbis alcyone	Curculionidae	Weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Tetropium cinnamopterum parvulum	Cerambycidae	Northern spruce borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Tetropium fuscum	Cerambycidae	Brown spruce longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Tetropium velutinum	Cerambycidae	Western larch borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Tomicus piniperda	Scolytidae	Pine shoot beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Trachykele blondeli	Buprestidae	Western cedar borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Trogoxylon parallelopipedum	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Tryphocaria mastersi	Cerambycidae	Bulls-eye borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Trypodendron lineatum	Scolytidae	Striped ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Urocerus albicornis	Siricidae	Banded horntail or woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Urocerus gigas	Siricidae	Greater horntail or woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xeris tarsalis	Siricidae	Woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Xyleborus affinis	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xyleborus ferrugineus	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xyleborus perforans	Scolytidae	Island pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xyleutes spp.	Cossidae	Wood moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xylion securifer	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xyloperthala crinitarsis	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xylopsocus capucinus	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xylopsocus castanoptera	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xylosandrus crassiusculus	Scolytidae	Asian ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xylothrips religiosus	Bostrichidae	Northern auger beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xylotrechus undulatus	Cerambycidae	Rustic borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Xystrocera globosa	Cerambycidae	Green-striped albizzia longicorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Zootermopsis angusticollis	Hodotermitidae	Pacific dampwood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Zygocera canosa	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Nematodes				
Bursaphenlenchus spp.	Nematode	Pine wood nematode	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Bursaphenlenchus xylophilus	Nematode	Pine wilt nematode	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Appendix 1(b): Non-Regulated Pests Potentially Associated with Poles, Piles, Rounds and Sleepers

Scientific Name	Organism Type	Common Name	Treatment Options	Contingency for interception
Micro-organisms				
Acremonium strictum	Fungus	Black bundle disease	None Required	None
Epicoccum nigrum	Fungus	Sooty mould, leaf spot	None Required	None
Fusarium oxysporum	Fungus	Root rot	None Required	None
Lasiodiplodia theobromae	Fungus	Java black rot	None Required	None
Nectria haematococca	Fungus	Root rot	None Required	None
Nigrospora sphaerica	Fungus	Nigrospora rot	None Required	None
Phanerochaete gigantea	Fungus	White rot	None Required	None
Polyporus arcularius	Fungus		None Required	None
Schizophyllum commune	Fungus		None Required	None
Trametes hirsuta	Fungus		None Required	None
Trichoderma harzianum	Fungus	Trichoderma rot	None Required	None
Arthropods				
Acrocercops laciniella	Gracillariidae	Blackbutt leaf miner	None required	None
Agrypnus variabilis	Elateridae	Sugarcane wireworm	None required	None
Amasa truncatus	Scolytidae	Keyhole ambosia beetle	None required	None
Ambrosiodmus compressus	Scolytidae	Keyhole ambosia beetle	None required	None
Anobium punctatum	Anobiidae	House borer	None required	None
Apion ulicis	Apionidae	Gorse seed weevil	None required	None
Araecerus palmaris	Anthribidae	Dried apple beetle	None required	None
Arhopalus tristis	Cerambycidae	Burnt pine longhorn	None required	None

Scientific Name	Organism Type	Common Name	Treatment Options	Contingency for interception
Aridaeus thoracicus	Cerambycidae	Tiger longhorn	None required	None
Asynonychus cervinus	Curculionidae	Fuller's rose weevil	None required	None
Bethelium signiferum	Cerambycidae	Wattle longhorn	None required	None
Bruchidius villosus	Chrysomelidae	Broom seed beetle	None required	None
Callidiopsis scutellarus	Cerambycidae	Longhorn beetle	None required	None
Coptocercus rubripes	Cerambycidae	Longhorn beetle	None required	None
Coptodryas eucalyptica	Scolytidae	Ambrosia beetle	None required	None
Cryphalus wapleri	Scolytidae	Bark beetle	None required	None
Deroptilinus granicollis	Anobiidae	Furniture beetle	None required	None
Didymocantha obliqua	Cerambycidae	Longhorn beetle	None required	None
Ernobius mollis	Anobiidae	Pine bark anobiid	None required	None
Gonipterus scutellatus	Curculionidae	Gum tree weevil	None required	None
Graphognathus leucoloma	Curculionidae	Whitefringed weevil	None required	None
Hadrobregmus australiensis	Anobiidae	Furniture beetle	None required	None
Heteronychus arator	Scarabaeidae	Black beetle	None required	None
Hylastes ater	Scolytidae	Black pine bark beetle	None required	None
Hylurgus ligniperda	Scolytidae	Golden haired bark beetle	None required	None
Lochmaea suturalis	Chrysomelidae	Leaf beetle	None required	None
Lyctus brunneus	Bostrichidae	Powderpost beetle	None required	None
Mesites pallidipennis	Curculionidae	Weevil	None required	None
Nathrius brevipennis	Cerambycidae	Longhorn beetle	None required	None
Neolaemosaccus narinus	Curculionidae	Weevil	None required	None
Ocrosopsis subfasciata	Chrysomelidae	Leaf beetle	None required	None

Scientific Name	Organism Type	Common Name	Treatment Options	Contingency for interception
Otiorhynchus ovatus	Curculionidae	Strawberry root weevil	None required	None
Otiorhynchus rugosostriatus	Curculionidae	Rough strawberry root weevil	None required	None
Otiorhynchus sulcatus	Curculionidae	Black vine weevil	None required	None
Paropsis charybdis	Chrysomelidae	Eucalyptus tortoise beetle	None required	None
Phloeosinus cupressi	Scolytidae	Cypress bark beetle	None required	None
Phlyctinus callosus	Curculionidae	Garden weevil	None required	None
Phoracantha semipunctata	Cerambycidae	Common longicorn beetle	None required	None
Pselactus spadix	Curculionidae	Weevil	None required	None
Rhyssonotus nebulosus	Lucanidae	Stag beetle	None required	None
Scolytus multistriatus	Scolytidae	Smaller European elm bark beetle	None required	None
Stenoscelis hylastoides	Curculionidae	Weevil	None required	None
Steriphus diversipes lineata	Curculionidae	Weevil	None required	None
Storeus albosignatus	Curculionidae	Weevil	None required	None
Syndesus cornutus	Lucanidae	Stag beetle	None required	None
Tessaromma undatum	Cerambycidae	Longhorn beetle	None required	None
Trachymela catenata	Chrysomelidae	Small eucalyptus tortoise beetle	None required	None
Trachymela sloanei	Chrysomelidae	Small eucalyptus tortoise beetle	None required	None
Uraba lugens	Noctuidae	Gum leak skeletoniser	None required	None
Xyleborinus saxeseni	Scolytidae	Keyhole ambrosia beetle	None required	None
Xylosandrus solidus	Scolytidae	Ambrosia beetle	None required	None

Appendix 2: Definitions

Any terms defined in the Biosecurity Act (1993) or by the International Plant Protection Convention (1997) and used in but not otherwise defined in this IHS have the same meaning as in the Act, or as in ISPM Pub. No. 5.

Bark
The layer of a woody trunk, branch or root outside the cambium

Bark-free wood
Wood from which all bark, except ingrown bark around knots, and bark pockets between rings of annual growth has been removed.

Biosecurity clearance
A clearance under section 26 of the Biosecurity Act (1993) for the entry of goods into New Zealand.

Certificate
A document or its electronic equivalent that attests to the phytosanitary status or treatment of a consignment.

Commodity
A type of plant, plant product or other regulated article being moved for trade or other purpose.

Consignment
A quantity of plants, plant products or other articles being moved from one country to another and covered, when required, by a single phytosanitary certificate (a consignment may be composed of one or more commodities or lots).

Contamination
Presence in a commodity, storage place, conveyance or container, of pests or other regulated articles, not constituting an infestation.

Import health standard (IHS)
Document with the meaning as per section 22 of the Biosecurity Act 1993.

Importer
May be an individual or company, including importer's agent.

Infestation
Presence in a commodity, storage place, conveyance or container, of a living pest.

Inspection
Official visual examination of plants, plant products or other regulated articles to determine if pests are present and/or to determine compliance with phytosanitary regulations.

International Plant Protection Convention (IPPC)
As deposited in 1951 with FAO in Rome and subsequently amended.

International Standard for Phytosanitary Measures (ISPM)
An international standard adopted by the Conference of FAO, the Interim Commission on Phytosanitary Measures or the Commission on Phytosanitary Measures, established under the IPPC.

Lot
A number of units of a single commodity, identifiable by its homogeneity of composition, origin etc, forming part of a consignment [ISPM 5].

MPI
Ministry for Primary Industries, (the NPPO of New Zealand).

National Plant Protection Organisation (NPPO)
Official service established by a government to discharge the functions specified by the IPPC [ISPM 5].

Packaging
Appropriate packaging examples include plastic wrapping, 6 sided boxing, closed shipping containers

Pest
Any species, strain or biotype of plant, animal or pathogenic agent, injurious to plants or animals (or their products) or human health or the environment.

Pest free area
An area in which a specific pest is absent as demonstrated by scientific evidence and in which, where appropriate, this condition is being officially maintained.

Phytosanitary measure
Any legislation, regulation or official procedure having the purpose to prevent the introduction and/or spread of quarantine pests, or to limit the economic impact of regulated non-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 pest
A quarantine pest or a regulated non-quarantine pest.

Sawn wood
Wood sawn longitudinally, with or without its natural rounded surface, with or without bark.

Sleepers
New or used railway sleepers or cross-ties for installation on railway lines or for use in landscaping or garden supplies.

Transitional facility
A place approved as a transitional facility in accordance with section 39 of the Biosecurity Act 1993

Treatment
Official procedure for the killing, inactivation or removal of pests or for rendering pests infertile or for devitalisation.

Untreated
A consignment where treatment before arrival in New Zealand has not been undertaken.

Wood (as a commodity class)
Commodities such as round wood, sawn wood, wood chips and wood residue, with or without bark, excluding wood packaging material, processed wood material and bamboo products.

Appendix 3: Amendment record

The following table provides a summary of the amendments to this IHS.

Number	Date	Details
1	17 October 2018	This amendment contains no change in content, but is issued in the new Ministry for Primary Industries format for IHS