



Import Health Standard

Wood Packaging Material from All Countries

WOODPACK.IHS

Draft for
Consultation

TITLE

Import Health Standard: Wood Packaging Material from All Countries

COMMENCEMENT

This Import Health Standard comes into force on

REVOCATION

This import health standard replaces the Import Health Standard: *Wood Packaging Material from All Countries* issued 1st November 2009.

ISSUING AUTHORITY

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

Dated at Wellington

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

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Contents	Page
Introduction	3
Part 1: General Requirements	4
1.1 Application	4
1.2 Incorporation of material by reference	4
1.3 Definitions	4
1.4 Pest list	4
1.6 Biosecurity clearance	5
Part 2: Specific Requirements	6
2.1 Commodity requirements	6
2.2 ISPM 15 marked wood packaging material	6
2.3 Certificates	6
2.4 Untreated wood packaging material	7
Part 3: Documentation	8
3.1 Phytosanitary certificates	8
3.2 Treatment certificates	8
Appendix 1: Definitions	9
Appendix 2: Amendment Record	10
Appendix 3(a): Regulated Pests Potentially Associated with Wood	11
Appendix 3(b): Non-Regulated Pests Potentially Associated with Wood	22

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Introduction

This introduction is not part of the import health standard (IHS), but is intended to indicate its general effect.

Purpose

An IHS specifies the requirements for the importing risk goods into New Zealand.

Background

An IHS issued under the New Zealand Biosecurity Act (the Act) specifies the requirements to be met to effectively manage biosecurity risks associated with importing goods, including the risks from incidentally imported new organisms. IHSs include measures that must be applied in the exporting country before the products are exported.

IHSs also include requirements that must be met by importers during importation including while the goods are in transit and held in a transitional facility (TF) before biosecurity clearance can be given.

Post-clearance conditions may also be specified in an IHS.

Guidance boxes throughout the IHS provide information on how the requirements may be met.

Who should read this?

Anyone who is involved in the process of importing risk goods into New Zealand or who has an interest in importing risk goods into New Zealand should read and be familiar with the relevant IHS.

Why is this important?

It is the responsibility of the importer to ensure risk goods comply with the requirements of the relevant IHS. Risk goods that do not comply with the requirements of an IHS may not be cleared for entry into New Zealand and may be directed for treatment, re-shipment, destruction, or further action deemed appropriate by a chief technical officer (CTO).

The pathway may be suspended if certain types of viable regulated pests or viable unwanted organisms are intercepted on a consignment.

Importers are liable for all associated expenses.

Equivalence

A CTO may consider an application for an equivalent phytosanitary measure to be approved, different from that provided for in this IHS, to maintain at least the same level of protection assured by the current measures.

Equivalence will be considered with reference to the International Standard for Phytosanitary Measures 24. *Guidelines for the determination and recognition of equivalence of phytosanitary measures.*

Document History

Refer to Appendix 2 for the Amendment record for this IHS.

Part 1: General Requirements

1.1 Application

- (1) This IHS applies to any wood packaging material that arrives in New Zealand from any country.
- (2) Wood packaging material must be made of debarked wood as per Annex 1 of [ISPM 15](#).

Guidance

- Animal crates used for the transportation of live animals, wine barrels and manufactured wood products are regulated by the IHS: [Woodware from All Countries](#)
- Sawdust, wood chips, wood shavings or wood wool are regulated by IHS: [Sawdust, Shavings, Wood Chips and Wool from All Countries](#)
- Information on importing wood packaging (including personal effects and commercial consignments in sea containers) can be found on MPI website: [Steps to Importing Wood Packaging](#).
- Wood packaging material is defined in ISPM 15: Section 2.

1.2 Incorporation of material by reference

- (1) The following documents are incorporated by reference under section 142M of the Act:
 - a) [ISPM 5. Glossary of phytosanitary terms. Rome, IPPC, FAO](#)
 - b) [ISPM 12. Phytosanitary certificates. Rome, IPPC, FAO](#)
 - c) [ISPM15. Regulation of wood packaging material in international trade](#)
 - d) [MPI Biosecurity Organisms Register for Imported Commodities \(BORIC\)](#)
- (2) Under section 142O(3) of the Act it is declared that section 142O(1) does not apply, that is, a notice under section 142O(2) of the Act is not required to be published before material that amends or replaces any material incorporated by reference has legal effect as part of those documents.

1.3 Definitions

- (1) Definitions are listed in Appendix 1.

1.4 Pest list

- (1) Pests are categorised into regulated and non-regulated pests.
- (2) A list of organisms commonly associated with wood are identified in Appendices 3 (a) and (b) to this IHS. The regulatory status of this organism not listed can be identified by referring to [BORIC](#).

1.5 Basic requirements

- (1) All consignments of wood packaging material must be:
 - a) free of live regulated pests (see Appendix 3(a));
 - b) free of contaminants (e.g. leaves, soil);
 - c) made from debarked wood; and
 - d) packed and/or shipped in a manner that prevents infestation and/or contamination by live regulated pests.

1.6 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.

Guidance

- Wood packaging material may be inspected upon arrival in New Zealand to verify compliance with the requirements of this IHS.
- If live organisms are found during inspection, a sample may be collected and sent for identification to determine the regulatory status.
- Wood packaging material may be given biosecurity clearance if an organism is identified as non-regulated.
- Inspectors will notify MPI Plant Imports with details of non-compliant ISPM 15 marks (including photos of the marks and/ or information on the pest).
- Packers or exporters of sea containers with wood packaging material are required to complete the New Zealand [Sea Container Declaration](#).

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Part 2: Specific Requirements

2.1 Commodity requirements

- (1) Wood packaging material is defined under the international standards as wood or wood products (excluding paper products) used in supporting, protecting or carrying a commodity (includes dunnage).
- (2) To be considered as compliant to ISPM 15, consignments of wood packaging material must have:
 - a) a compliant ISPM 15 mark on each unit of wood packaging (refer to Part 2.2); or
 - b) be accompanied by certificates specifying ISPM 15 treatment application (refer to Part 2.3);

Guidance

- ISPM 15 describes internationally accepted phytosanitary measures that reduce the risk of introduction and spread of quarantine pests associated with the international movement of wood packaging material made from raw wood.
- New Zealand is a signatory to IPPC and endorses and recommends the use of the ISPM 15 mark to manage biosecurity risks from wood packaging material and to facilitate trade.
- Wood items exempted from ISPM 15 are listed in Section 2.1 of [ISPM 15](#).
- Wood packaging material includes items such as crates, boxes, packing cases, dunnage, pallets, cable drums, spools/ reels and fillets/ spacers.

2.2 ISPM 15 marked wood packaging material

- (1) ISPM 15 marked wood packaging material, including repaired and remanufactured wood packaging material, must meet the requirements of [ISPM 15](#).

Guidance

- The exporting National Plant Protection Organisation (NPPO) in the country of treatment is responsible for ISPM 15 marking and other requirements under ISPM 15: Section 4.
- Annex 1 of ISPM 15 describes approved treatments and Annex 2 describes marks and application of marks.

2.3 Certificates

- (1) Where certificates are used instead of the mark to certify ISPM 15 treatment applications of debarked wood, the treatment parameters must be recorded on either a [phytosanitary certificate](#) or [treatment certificate](#).

Guidance

- The certificate must be provided with import documentation.
- Heat treatment parameters to be recorded are: heat treatment method, minimum core temperature and minimum time duration at that temperature.
- Fumigation parameters to be recorded are: chemical used, minimum core temperature during duration of fumigation, dosage applied (g/m³) applied and CT value.
 - CT value is the sum of products of concentration and time over the duration of the fumigation as per Annex 1 ISPM 15.

2.4 Untreated wood packaging material

- (1) Wood packaging material will be considered untreated if:
 - a) an ISPM 15 mark is missing or is non-compliant;
 - b) certificates are not provided or are non-compliant; or
 - c) bark is present and exceeds the tolerance as per Annex 1 of ISPM 15.
- (2) All untreated wood packaging material must be:
 - a) treated on-arrival as per Annex 1 of ISPM 15:
 - i) where bark exceeds the tolerance as per Annex 1 of ISPM 15, bark must be removed prior to treatment;
 - or
 - b) inspected upon arrival by an inspector.

Guidance

- Bark removed from the wood packaging material prior to a treatment may be treated separately or destroyed.
- Where wood packaging material is to be re-used in international trade, the ISPM 15 mark may require removal as per ISPM 15 Section 4.3.2.

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Part 3: Documentation

- (1) All documentation will be inspected on import to verify compliance with the requirements of this IHS.
- (2) All documents must be in English.

Guidance

- Packers or exporters of sea containers with wood packaging material are required to complete the New Zealand [Sea Container Declaration](#).

3.1 Phytosanitary certificates

- (1) Phytosanitary certificates may be used to endorse any pre-export ISPM 15 treatment.

Guidance

- Phytosanitary certificates are issued by the exporting NPPO in accordance with ISPM 12.
- Original phytosanitary certificates may be hard copy or electronic as per ISPM 12. Electronic certificates will only be accepted from exporting NPPOs or e-cert hubs where there is an agreement in place for the secure transfer of documents.
- Treatment details may be given in the form of an additional declaration or in the 'disinfestation and/or disinfection treatment' section of the phytosanitary certificate.
- Annex 1 of ISPM 15 describes approved treatments

3.2 Treatment certificates

- (1) Treatment certificates must contain the following information:
 - a) relevant identification marks and brands;
 - b) number and/or volume of items treated;
 - c) date that treatment was completed;
 - d) ISPM 15 treatment details; and
 - e) the container number (where applicable).
- (2) Certificates must be issued on company letterhead by a person authorised to act on behalf of the company and include their signature, job title and date of issue.

Guidance

- Treatment certificates can be:
 - supplied by a treatment provider approved by the NPPO; or
 - endorsed on the Treatment Certificate by the NPPO.
- Annex 1 of ISPM 15 describes approved treatments.

Appendix 1: 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 import health standard have the same meaning as in the Act, or as in ISPM Pub. No. 5.

Debarking

Removal of bark from round wood (debarking does not necessarily make the wood bark-free) [ISPM 5]

Inspector

As defined by the Biosecurity Act 1993

ISPM 15

International Standard for Phytosanitary Measures, Guidelines for Regulating Wood Packaging Material in International Trade, Pub. No. 15 <http://www.ippc.int>

MPI

The Ministry for Primary Industries

NPPO

National Plant Protection Organisation

Treatment Provider

Providers that apply the approved treatments and may apply the mark to appropriately treated wood packaging material [ISPM 15]

Wood packaging Material

Wood or wood products (excluding paper products) used in supporting, protecting or carrying a commodity (includes dunnage) [ISPM 5]

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Appendix 2: Amendment Record

Number	Version Date	Part Changed	Change(s) Description
1	1 November 2009		
2	6 November 2018	All parts changed	Reformatted in MPI Requirements and Guidance format. Full review of IHS.
3	20 January 2020	All parts changed	Updated to align with ISPM 15 Mark

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Appendix 3(a): Regulated Pests Potentially Associated with Wood

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Micro-organisms				
<i>Atropellis tingens</i>	Fungus	Canker	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Caliciopsis pinea</i>	Fungus	Canker	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Calonectria illicicola</i>	Fungus	Collar rot	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Calonectria indusiata</i>	Fungus	Root & stem rot	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Cronartium quercuum</i>	Fungus	Pine blister rust	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Cronartium quercuum</i> f.sp. <i>fusiforme</i>	Fungus	Stem rust	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Cryphonectria cubensis</i>	Fungus	Basal / stem canker	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Cryphonectria havanensis</i>	Fungus	Stem canker	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Dermea pini</i>	Fungus	Shoot blight	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Elytroderma deformans</i>	Fungus	Needle blight	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Endocronartium pini</i>	Fungus	Stem rust	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Fusarium circinatum</i>	Fungus	Pine pitch canker	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Graphium</i> spp.	Fungus	Blue stain, wilt	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Heterobasidion annosum</i>	Fungus	Root rot	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Ischnoderma resinotum</i>	Fungus		Heat, Chemical	Treatment, Reshipping or Destruction
<i>Mucor spinosus</i>	Fungus		Heat, Chemical	Treatment, Reshipping or Destruction
<i>Ophiostoma leptographioides</i>	Fungus		Heat, Chemical	Treatment, Reshipping or Destruction
<i>Ophiostoma</i> spp.	Fungus	Blue stain, wilt	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Phellinus noxius</i>	Fungus	Wood rot	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Sparassis crispa</i>	Fungus	Root and butt rot	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Trametes trogii</i>	Fungus	Wound parasite	Heat, Chemical	Treatment, Reshipping or Destruction
<i>Trichaptum abietinus</i>	Fungus	Butt rot	Heat, Chemical	Treatment, Reshipping or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
Arthropods				
<i>Abantiades latipennis</i>	Hepialidae	Ghost moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Aenetus lignivorus</i>	Hepialidae	Common splendid ghost moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Aenetus paradiseus</i>	Hepialidae	Splendid ghost moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Agilus opulentus</i>	Buprestidae	Flat headed borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Agilus sexsignatus</i>	Buprestidae	Varicose borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Anaglyptus subfasciatus</i>	Cerambycidae	Cryptomeria twig borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Anoplolepis gracilipes</i>	Formicidae	Yellow crazy ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Anoplophora glabripennis</i>	Cerambycidae	Asian longhorned beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Antheraea helena</i>	Saturniidae	Helena moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Arhopalus productus</i>	Cerambycidae	New house borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Arhopalus rusticus</i>	Cerambycidae	Rusty longhorned beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Asemum striatum</i>	Cerambycidae	Black spruce borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Austroplatypus incompertus</i>	Platypodidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Bostrychoplites cornutus</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Buprestis aurulenta</i>	Buprestidae	Golden buprestid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Buprestis lecontei</i>	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Buprestis maculativentris</i>	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Cacodacnus hebridanus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Callidium violaceum</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Camponotus abdominalis</i>	Formicidae	Carpenter ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Camponotus herculeanus</i>	Formicidae	Carpenter ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Camponotus pennsylvanicus</i>	Formicidae	Carpenter ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Cardiaspina squamula</i>	Psyllidae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
<i>Celosterna scabator</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium declaratum</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium flavipes</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium guttaticolle</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium holophaeum</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium longicorne</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium nilgiriensis</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium sinicum</i>	Cerambycidae	Brown twig-girgling longhorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium sinicum ornatocolle</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ceresium sinicum sinicum</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Chloridolum cinnyris</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Chloridolum scytalicum</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Chrysophtharta agricola</i>	Chrysomelidae	Southern eucalyptus leaf beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Chrysophtharta bimaculata</i>	Chrysomelidae	Tasmanian eucalyptus leaf beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Coptocercus vinicus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Coptotermes acinaciformis</i>	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Coptotermes curvignathus</i>	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Coptotermes formosanus</i>	Rhinotermitidae	Formosan subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Coptotermes frenchi</i>	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Coptotermes sjostedti</i>	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Cordylomera spinicornis</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Crossotarsus externedentatus</i>	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Cryphalus</i> spp.	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Cryptotermes brevis</i>	Kalotermitidae	West Indian drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
<i>Cryptotermes buxtoni</i>	Kalotermitidae	Drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Cryptotermes cynocephalus</i>	Kalotermitidae	Drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Crypturgus borealis</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Cyclorhipidion sexspinum</i>	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Cyrtogenius fijianus</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dendroctonus adjuncatus</i>	Scolytidae	Roundheaded pine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dendroctonus brevicomis</i>	Scolytidae	Western pine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dendroctonus frontalis</i>	Scolytidae	Southern pine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dendroctonus ponderosae</i>	Scolytidae	Mountain pine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dendroctonus pseudotsuga</i>	Scolytidae	Douglas fir beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dendroctonus rufipennis</i>	Scolytidae	Spruce beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dendroctonus terebrans</i>	Scolytidae	Black turpentine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dendroctonus valens</i>	Scolytidae	Red turpentine beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Diacavus diaphanus</i>	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Diapus pusillimus</i>	Platypodidae	Walnut pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Diapus quinquespinatus</i>	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dicera horni</i>	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Didymuria violescens</i>	Phasmatidae	Spurlegged phasmatid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dinoderus bifoveolatus</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dinoderus minutus</i>	Bostrichidae	Ghoon borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Diorthus cinereus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Doratifera vulnerans</i>	Limacodidae	Mottled cup moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Dryocoetes</i> spp.	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Elaphidion nanum</i>	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
<i>Epithora dorsalis</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ergates spiculatus</i>	Cerambycidae	Ponderous borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Eupogonius tomentosus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Glycaspis cameloides</i>	Spondylaspididae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Glycaspis endasa</i>	Spondylaspididae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Glycaspis nigrocincta</i>	Spondylaspididae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Glycaspis particeps</i>	Spondylaspididae	Lerp psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Gnathotrichus retusus</i>	Scolytidae	Spring gnathotrichus	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Gnathotrichus</i> spp.	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Gnathotrichus sulcatus</i>	Scolytidae	Scratched-face ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hadrobregmus destructor</i>	Anobiidae	Pacific powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hemicoelus gibbicollis</i>	Anobiidae	Pacific powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hesperophanes campestris</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hesperophanes fasciculatus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hesperophanes griseus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hesperophanes heydeni</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hesperophanes maculatus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hesperophanes</i> spp.	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hesthesis cingulata</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Heterobostrychus aequalis</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Heterobostrychus brunneus</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Heteronyx crinitus</i>	Scarabaeidae	Scarab beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Heteronyx</i> n. sp. var. <i>comans</i>	Scarabaeidae	Scarab beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Heteronyx striatipennis</i> var. <i>jabatus</i>	Scarabaeidae	Scarab beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
<i>Heterotermes</i> spp.	Rhinotermitidae	Subterranean termites	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hoplocerambyx spinicornis</i>	Cerambycidae	Sal borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylastes ater</i>	Scolytidae	Black pine bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylastes gracilis</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylastes macer</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylastes nigrinus</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylastes ruber</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylastes</i> spp.	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylesinus varius</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylobius abietis</i>	Curculionidae	Large pine weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylobius pales</i>	Curculionidae	Pales weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylobius radialis</i>	Curculionidae	Pine root collar weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hylobius warreni</i>	Curculionidae	Warren's collar weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Hypertropha tortriciformis</i>	Hypertrophidae		Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Incisitermes</i> spp.	Kalotermitidae	Drywood termites	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips acuminatus</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips calligraphus</i>	Scolytidae	Eastern six-spined engraver	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips erosus</i>	Scolytidae	Mediterranean pine engraver	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips grandicollis</i>	Scolytidae	Eastern five-spined engraver	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips mexicanus</i>	Scolytidae	Monterey pine ips	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips paraconfusus</i>	Scolytidae	California five-spined ips	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips pini</i>	Scolytidae	Pine engraver	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips plastographus maritimus</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Ips sexdentatus</i>	Scolytidae	Six-toothed bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
<i>Ips typographus</i>	Scolytidae	European spruce bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Kalotermes arizonensis</i>	Kalotermitidae	Drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Kalotermes hilli</i>	Kalotermitidae	Drywood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Lithurge scabrosus</i>	Megachilidae	Leaf cutting bee	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Lophyrotoma interrupta</i>	Pergidae	Cattle poisoning sawfly	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Lyctus africanus</i>	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Lyctus planicollis</i>	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Lyctus sinensis</i>	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Macrones rufus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Mastotermes darwiniensis</i>	Mastotermitidae	Giant northern termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Megacyllene caryae</i>	Cerambycidae	Painted hickory borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Melanophila californica</i>	Buprestidae	California flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Microcerotermes</i> spp.	Termitidae	Termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Minthea reticulata</i>	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Minthea rugicollis</i>	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Minthea squamigera</i>	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Mnesampela privata</i>	Geometridae	Autumn gum moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Molorchus minor</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monarthrum</i> nr. <i>Hoegeri</i>	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus alternatus</i>	Cerambycidae	Rusty pine longhorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus bimaculatus</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus clamator</i>	Cerambycidae	Spotted pine sawyer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus gravidus</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus guerryi</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
<i>Monochamus guttatus</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus impluviatus</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus notatus</i>	Cerambycidae	Northeastern sawyer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus obtusus</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus saltuarius</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus scutellatus</i>	Cerambycidae	White-spotted sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus sparsutus</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus sutor</i>	Cerambycidae	Small white-marmorated longicorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Monochamus urusovi</i>	Cerambycidae	Sawyer beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Nacerdes melanura</i>	Oedemeridae	Wharf borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Nascio vetusta</i>	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Nascioides parryi</i>	Buprestidae	Flatheaded borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Nasutitermes exitiosus</i>	Termitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Neoclytus acuminatus</i>	Cerambycidae	Redheaded ash borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Neotermes insularis</i>	Kalotermitidae	Ring ant termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Olethrius tyrannus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Opsimus quadrilinea</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Orthotomicus caelatus</i>	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Orthotomicus</i> spp.	Scolytidae	Bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Paralaea beggaria</i>	Geometridae	Peppermint looper	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Parisopalpus macleayi</i>	Oedemeridae	False blister beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Paropsis atomaria</i>	Chrysomelidae	Eucalyptus tortoise beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Paratrechina longicornis</i>	Formicidae	Crazy ant	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Perga affinis insularis</i>	Pergidae	Large green sawfly	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
<i>Phaloeopagus brunneus</i>	Curculionidae	Weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Phlyctaenodes pustulosus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Phoracantha recurva</i>	Cerambycidae	Yellow longicorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Phoracantha tricuspis</i>	Cerambycidae	Common longicorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Phylacteophaga</i> spp.	Hymenoptera	Leafblister sawfly	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Phymatodes testaceus</i>	Cerambycidae	Tanbark borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Pissodes nemorensis</i>	Curculionidae	Deodar weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Plagionotus arcuatus</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Platypus bifurcus</i>	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Platypus jansoni</i>	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Platypus micrurus</i>	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Platypus shoreanus</i>	Platypodidae	Pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Platypus subgranosus</i>	Platypodidae	Mountain pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Platypus wilsoni</i>	Scolytidae	Wilson's wide-headed ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Podacanthus wilsoni</i>	Phasmatidae	Gregarious phasmatid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Polygraphus rufipennis</i>	Scolytidae	Four-eyed spruce bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Popilius disjunctus</i>	Passalidae	Bess beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Psaltoda moerens</i>	Cicadidae	Red eye cicada	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Pseudoperga lewisii</i>	Pergidae	Pale brown sawfly	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Reticulitermes hesperus</i>	Rhinotermitidae	Western subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Reticulitermes</i> spp.	Rhinotermitidae	Subterranean termites	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Rhachiodes dentifer</i>	Curculionidae	Weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Schedorhinotermes intermedius</i>	Rhinotermitidae	Subterranean termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Schedotrioza marginata</i>	Triozidae	Psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
<i>Schedotrioza multitudinea</i>	Triozidae	Psyllid	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Scolecobrotus westwoodi</i>	Cerambycidae	Roughshouldered longicorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Scolytus intricatus</i>	Scolytidae	European oak bark beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Scolytus</i> spp.	Scolytidae	Engraver beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Semanotus amethystinus</i>	Cerambycidae	Amethyst cedar borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Semanotus ligneus ampla</i>	Cerambycidae	Cedar tree borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Semanotus litigiousus</i>	Cerambycidae	Long horn beetles	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Serropalpus barbatus</i>	Melandryidae	False darkling beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Shirahoshizo</i> spp.	Curculionidae	Pine weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Sinoxylon anale</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Sirex areolatus</i>	Siricidae	Woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Sirex cyaneus</i>	Siricidae	Blue horntail or woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Sirex juvencus</i>	Siricidae	Woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Sirex noctilio</i>	Siricidae	Steel blue wood wasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Stephanopachys rugosus</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Strictoleptura canadensis</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Stromatium longicorne</i>	Cerambycidae	Tropical longicorne	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Strongylorhinus ochraceous</i>	Curculionidae	Weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Syarbis alcyone</i>	Curculionidae	Weevil	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Tetropium cinnamopterum parvulum</i>	Cerambycidae	Northern spruce borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Tetropium fuscum</i>	Cerambycidae	Brown spruce longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Tetropium velutinum</i>	Cerambycidae	Western larch borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Tomicus piniperda</i>	Scolytidae	Pine shoot beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Trachykele blondeli</i>	Buprestidae	Western cedar borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Scientific Name	Organism Type	Common Name	Treatment Options (see Part 2.5)	Contingency for interception
<i>Trogoxylon parallelopipedum</i>	Lyctidae	Powderpost beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Tryphocaria mastersi</i>	Cerambycidae	Bulls-eye borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Trypodendron lineatum</i>	Scolytidae	Striped ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Urocerus albicornis</i>	Siricidae	Banded horntail or woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Urocerus gigas</i>	Siricidae	Greater horntail or woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xeris tarsalis</i>	Siricidae	Woodwasp	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xyleborus affinis</i>	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xyleborus ferrugineus</i>	Scolytidae	Ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xyleborus perforans</i>	Scolytidae	Island pinhole borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xyleutes</i> spp.	Cossidae	Wood moth	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xylion securifer</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xyloperthala crinitarsis</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xylopsocus capucinus</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xylopsocus castanoptera</i>	Bostrichidae	Bostrychid beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xylosandrus crassiusculus</i>	Scolytidae	Asian ambrosia beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xylothrips religiosus</i>	Bostrichidae	Northern auger beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xylotrechus undulatus</i>	Cerambycidae	Rustic borer	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Xystrocera globosa</i>	Cerambycidae	Green-striped albizzia longicorn	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Zootermopsis angusticollis</i>	Hodotermitidae	Pacific dampwood termite	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Zygcocera canosa</i>	Cerambycidae	Longhorn beetle	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
Nematodes				
<i>Bursaphelenchus</i> spp.	Nematode	Pine wood nematode	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction
<i>Bursaphelenchus xylophilus</i>	Nematode	Pine wilt nematode	Fumigation, Heat, Chemical	Treatment, Reshipment or Destruction

Appendix 3(b): Non-Regulated Pests Potentially Associated with Wood

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

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

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