

Import Health Standard: Bamboo, Cane, Willow, and Rattan from All Countries

ENDORSEMENT

This MAF Biosecurity New Zealand standard is hereby approved. Pursuant to section 22 of the Biosecurity Act 1993, I hereby issue this document as an import health standard.

Signature of Group Manager, Plant Imports and Exports Group
Acting pursuant to delegated Director-General authority

Date: 3 August 2011

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1 OFFICIAL CONTACT POINT

- 1.1 The Ministry of Agriculture and Forestry is the official contact point in New Zealand for overseas National Plant Protection Organisations (NPPO) and importers. Any enquiries about this import health standard and requests for copies of this standard should be addressed to:

Plant Imports
MAF Biosecurity New Zealand
Ministry of Agriculture and Forestry
PO Box 2526
Wellington, NEW ZEALAND

Fax: +64 4 894 0662

E-mail: plantimports@maf.govt.nz

- 1.2 Import health standards for forest and wood products are available at the following website: <http://www.biosecurity.govt.nz/regs/imports/plants/forest>
- 1.3 This standard is subject to periodic review. Amendments will be made to the signed original as required. The signed original will be held by the Plant Imports and Exports Group, Ministry of Agriculture and Forestry, Pastoral House, 25 The Terrace, Wellington.

2 GENERAL IMPORT REQUIREMENTS

2.1 SCOPE

- 2.1.1 This import health standard describes the phytosanitary requirements that must be met for bamboo, cane, willow, and rattan to be given biosecurity clearance into New Zealand.

2.2 REFERENCES

- 2.2.1 This import health standard 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).

Compliance with the provisions of this import health standard 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).

- 2.2.2 This import health standard refers to the following documents:

- [International Standard for Phytosanitary Measures, Glossary of Phytosanitary Terms, Pub. No. 5, 2009 \(ISPM 5\)](#)
- [International Standard for Phytosanitary Measures, Guidelines for Phytosanitary Certificates, Pub. No. 12, 2001 \(ISPM 12\)](#)

2.3 DEFINITIONS AND ABBREVIATIONS

2.3.1 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, 2001.

Bark	The outer protective covering of a tree formed by the cork cambium and phloem tissues.
Bark-free wood	Wood from which all bark excluding vascular cambium, ingrown bark around knots, and bark pockets between rings of annual growth has been removed.
Biosecurity Clearance	A clearance under section 22 of the Biosecurity Act (1993) for the entry of goods into New Zealand.
Certificate	An official document which attests to the phytosanitary status of any consignment affected by phytosanitary regulations [FAO, 1990].
Commodity	A type of plant, plant product or other regulated article being moved for trade or other purpose [ICPM, 2001]
Consignment	A quantity of plants, plant products and/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). [ICPM, 2001]
Contamination	Presence in a commodity, storage place, conveyance or container, of pests or other regulated articles, not constituting an infestation [CEPM, 1999].
Forest Produce	For the purposes of this standard means timber, timber produce, wood packaging material, and the produce of trees including bark, and seeds or tree parts for propagation, but does not include any produce for human or animal consumption.
Import health standard	Document issued under section 22 of the Biosecurity Act 1993 that “..... <i>specifies the requirements to be met for the effective management of risks associated with the importation of risk goods before those goods can be imported, moved from a biosecurity control area, or a transitional facility, or given biosecurity clearance</i> ”.
Import permit	Official document authorising importation of a commodity in accordance with specified phytosanitary requirements [FAO, 1995].

Importer	May be an individual or company, including importer's agent.
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 [FAO, 1995].
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 [CEPM, 1999].
IPPC	International Plant Protection Convention, as deposited in 1951 with FAO in Rome and subsequently amended [ICPM, 2001].
Lot	A number of units of a single commodity, identifiable by its homogeneity of composition, origin etc., forming part of a consignment [FAO, 1990].
MAF	The Ministry of Agriculture and Forestry, New Zealand.
National Plant Protection Organisation (NPPO)	Official service established by a government to discharge the functions specified by the IPPC [FAO, 1990].
Organism	<p>Biotic entity capable of reproduction or replication, vertebrate or invertebrate animals, plants and micro-organisms [ISPM Pub. No. 3, 1996]</p> <p>Within New Zealand, an organism, defined by the New Zealand Biosecurity Act (1993);</p> <ul style="list-style-type: none"> (a) Does not include a human being or a genetic structure derived from a human being; (b) Includes a micro-organism; (c) Subject to paragraph (a) of this definition, includes a genetic structure that is capable of replicating itself (whether that structure comprises all or only part of an entity, and whether it comprises all or only part of the total genetic structure of an entity); (d) Includes an entity (other than a human being) declared by the Governor-General by Order in Council to be an organism for the purposes of this Act; (e) Includes a reproductive cell or developmental stage of an organism; (f) Includes any particle that is a prion.
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.

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 [IPPC, 1997].
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 [IPPC, 1997].
Regulated pest	A quarantine pest or a regulated non-quarantine pest [IPPC, 1997].
Sawn wood	Wood sawn longitudinally, with or without its natural rounded surface with or without bark [FAO, 1990].
Treatment	Officially authorised procedure for the killing or removal of pests or rendering pests infertile [ISPM Pub. No. 15, 2002]
Wood	A commodity class for round wood, sawn wood, wood chips or dunnage, with or without bark [ICPM, 2001].

2.4 GENERAL INFORMATION

- 2.4.1 All forest produce is PROHIBITED entry into New Zealand, unless it complies with the requirements of an import health standard that has been issued in accordance with Section 22 of the Biosecurity Act (1993).
- 2.4.2 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 Risk Management Authority, PO Box 131, Wellington.
- 2.4.3 MAF categorises pests associated with forest produce into regulated and non-regulated pests. Lists of regulated and non-regulated pests for the commodities covered by this standard are attached as appendices to this import health standard.
- 2.4.4 When an unlisted pest is found on any imported forest produce it will be categorised and added to the appropriate pest list.

3 SPECIFIC IMPORT REQUIREMENTS FOR BAMBOO, CANE, WILLOW, AND RATTAN

3.1 GENERAL REQUIREMENTS

- 3.1.1 Bamboo, cane, willow, and rattan includes non-propagable stems (without leaves or roots) of plants from the bamboo and rattan families, reed, cane, and willow “withies”.
- 3.1.2 Bamboo, cane, willow, or rattan that can be propagated must be imported under the nursery-stock import health standard for that species of plant.
- 3.1.3 Willow timber or wood pieces may be imported into New Zealand under the requirements of the import health standard for sawn wood.
- 3.1.4 Bamboo or cane skewers less than 3mm wide and 1 metre in length, and sealed in inert commercial packaging, are exempt from the requirements of this standard.
- 3.1.5 A consignment of bamboo, cane, willow, and rattan must be:
- free of regulated pests (see Appendix 1 (a)).
 - packed and/or shipped in a manner that prevents infestation and/or contamination by regulated pests. MAF considers the following as examples of appropriate packaging: plastic wrapping, 6 sided boxing, a closed shipping container etc.
 - relatively free of bark and extraneous material (e.g. leaves, soil). MAF considers a contamination rate of 0.01% w/w extraneous material is considered acceptable.

3.2 TREATMENT REQUIREMENTS

- 3.2.1 Any treatment completed prior to import must comply with the requirements of this import health standard, or an equivalent treatment(s) approved by MAF.
- 3.2.2 If bamboo, cane, willow, and rattan are fumigated or heat-treated prior to export the bamboo, cane, willow, and rattan must be treated no more than twenty-one (21) days before export to New Zealand.

3.3 TREATMENT OPTIONS

MAF accepts one or more of the following treatment options for bamboo, cane, willow, and rattan.

- 3.3.1 Fumigation of filleted or otherwise separated layers with methyl bromide at the rates and temperatures indicated in the table below, for more than 24 continuous hours.

Concentration (g/m³)	Temperature (°C)
72	10 – 11
64	12 – 15

56	16 – 20
48	20+

3.3.2 Heat treatment for more than 4 hours at a minimum continuous core temperature of 70°C.

3.4 CERTIFICATION REQUIREMENTS

3.4.1 An import permit is not required to import bamboo, cane, willow, and rattan into New Zealand.

3.4.2 For the purpose of providing certification of the treatment status of consignments to be imported into New Zealand, the importer may use a:

- a) phytosanitary certificate issued by the NPPO and based on the model certificate included in ISPM 12;
- b) phytosanitary certificate issued by the NPPO other than the certificate specified in (a) to which the following is to be included;

"The bamboo, cane, willow, or rattan in this consignment have been inspected according to appropriate official procedures and are considered to be free from the regulated pests specified by MAF, and to conform with New Zealand's current phytosanitary requirements".

- c) treatment certificate issued by the manufacturer or operator/manager of the treatment company that conducted the treatment.

3.4.3 All certification must be original, free of alterations and erasures, and printed in English.

3.5 CERTIFICATE INFORMATION

3.5.1 If used, a certificate must contain the following information:

- A full description of the consignment and wood component
- All relevant identification marks and brands
- The number and/or volume of items treated
- The container number (where applicable)
- The following additional declarations (where applicable)

3.5.2 Certificates for consignments that have been fumigated may contain the following declaration:

“The bamboo, cane, willow, or rattan has been fumigated with methyl bromide at
 _ (Fumigant concentration (g/m³)) _ **for** _ (Duration of treatment) _ **at a minimum temperature of**
 _ (Minimum temperature during treatment) _ **on the** _ (Date of treatment (dd/mm/yy)) _.”

3.5.3 Certificates for consignments that have been heat-treated may contain the following declaration:

“The bamboo, cane, willow, or rattan has 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) ___.”

3.6 TRANSIT REQUIREMENTS

- 3.6.1 Where a consignment is split or has its packaging changed while in another country (or countries) *en route* to New Zealand, a "Re-export Certificate" issued by a NPPO is required where the treatment of the bamboo, cane, willow, or rattan has been certified.
- 3.6.2 Where a consignment is held under bond as a result of the need to change conveyances and is kept in the original shipping container, a "Re-export Certificate" is not required.

4 REQUIREMENTS ON ARRIVAL IN NEW ZEALAND

The importer shall meet all costs specified in the [Biosecurity \(Costs\) Regulations](#) associated with the inspection, treatment (if required) and clearance of goods imported under this standard.

4.1 INSPECTION ON ARRIVAL IN NEW ZEALAND

- 4.1.1 If appropriate certification is NOT provided the bamboo, cane, willow, and rattan will be considered untreated.
- 4.1.2 If the bamboo, cane, willow, or rattan are NOT packaged in a manner considered by MAF to adequately protect the woodware from re-infestation after treatment, or were NOT shipped within the required time period after treatment, the bamboo, cane, willow, or rattan will be considered untreated.
- 4.1.3 Consignments of bamboo, cane, willow, or rattan that do not comply with this Import Health Standard must be appropriately treated, reshipped, or destroyed.
- 4.1.4 Each consignment of:
- untreated **commercially** imported bamboo, cane, willow, or rattan will be treated (fumigated or heat treated as per the treatment specifications stated in section 3.3), reshipped, or destroyed.
 - treated **commercially** imported bamboo, cane, willow, or rattan may have an 8 kg random sample (or whole consignment, whichever is the lesser) inspected for evidence of pests or extraneous organic material to verify that the treatment was effective.
 - **privately** imported bamboo, cane, willow, or rattan will either be inspected for evidence of pests, bark, or extraneous organic material (e.g. leaves, twigs, soil), or treated (as per the treatment specifications stated in section 3.3), reshipped, or destroyed if considered likely to harbour pests.

4.1.5 All inspections completed on arrival in New Zealand of commercial consignments shall be carried out in a transitional facility approved by MAF for that purpose.

4.2 ACTIONS UNDERTAKEN ON THE INTERCEPTION/DETECTION OF ORGANISMS/CONTAMINANTS

4.2.1 All organisms detected on bamboo, cane, willow, or rattan may be identified to determine the regulatory status of the organism regardless of the treatment(s) or action(s) undertaken.

4.2.2 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)):

- Reshipment of the consignment or lot;
- Destruction of the consignment or lot;
- Treatment (where possible) of the consignment or lot;
- The suspension of trade, until the cause of the non-compliance is investigated, identified and rectified to the satisfaction of New Zealand MAF.

4.2.3 Lots contaminated with bark or greater than 0.01% w/w soil or other extraneous organic material (e.g. leaves, twigs) shall have the contaminating material removed (if possible), or be treated, re-shipped or destroyed.

4.2.4 All treatments completed on arrival in New Zealand shall be carried out in a transitional facility approved by MAF for that purpose.

4.3 BIOSECURITY CLEARANCE

4.3.1 If the requirements of this import health standard have been met, and regulated pests are not detected or are successfully treated following interception/detection, biosecurity clearance will be given.

Appendix 1 (a) List of Regulated Pests Potentially Associated with Bamboo, Cane, Willow, and/or Rattan

Scientific Name	Organism Type	Common Name	MAF Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
Micro-organisms				
<i>Aciculosporium take</i>	Fungus	Witches' broom	Heat	Treatment, Reshipping or Destruction
<i>Apiospora montagnei</i>	Fungus	Culm staining and die-back	Heat	Treatment, Reshipping or Destruction
<i>Botryobasidium salmonicolor</i>	Fungus	Thread blight	Heat	Treatment, Reshipping or Destruction
<i>Ceratospaeria phyllostachydis</i>	Fungus	Top blight	Heat	Treatment, Reshipping or Destruction
<i>Cochliobolus pallescens</i>	Fungus	Curvularia leaf spot	Heat	Treatment, Reshipping or Destruction
<i>Dactylaria bambusina</i>	Fungus	Dactylaria leaf spot	Heat	Treatment, Reshipping or Destruction
<i>Dasturella divina</i>	Fungus	Seedling leaf rust	Heat	Treatment, Reshipping or Destruction
<i>Fusarium moniliforme</i> var. <i>intermedium</i>	Fungus	Rot	Heat	Treatment, Reshipping or Destruction
<i>Nectria mauritiicola</i>	Fungus	Seedling rhizome rot	Heat	Treatment, Reshipping or Destruction
<i>Sarocladium oryzae</i>	Fungus	Bamboo blight	Heat	Treatment, Reshipping or Destruction
<i>Setosphaeria rostrata</i>	Fungus	Exserohilum leaf spot	Heat	Treatment, Reshipping or Destruction
<i>Stereostratum corticioides</i>	Fungus	Bamboo rust	Heat	Treatment, Reshipping or Destruction
<i>Ustilago shiraiana</i>	Fungus	Culm Smut	Heat	Treatment, Reshipping or Destruction
Bamboo phytoplasma	Phytoplasma	Little leaf disease		Reshipping or Destruction
Bamboo mosaic virus	Virus	BoMV		Reshipping or Destruction
Arthropods				
<i>Chlorophorus annularis</i>	Cerambycidae	Bamboo tiger longicorn	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Coptotermes curvignathus</i>	Rhinotermitidae	Subterranean termite	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Coptotermes formosanus</i>	Rhinotermitidae	Formosan subterranean termite	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Cryptotermes brevis</i>	Kalotermitidae	West Indian drywood termite	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Dinoderus minutus</i>	Bostrichidae	Ghoon borer	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Incisitermes</i> spp.	Kalotermitidae	Drywood termites	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Purpuricenus</i> sp. (<i>spectabilis</i>)	Cerambycidae	Longhorn beetle	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Reticulitermes</i> spp.	Rhinotermitidae	Subterranean termites	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Xylosandrus crassiusculus</i>	Scolytidae	Asian ambrosia beetle	Fumigation, Heat	Treatment, Reshipment or Destruction
Arachnids				
<i>Schizotetranychus celarius</i>	Tetranychidae	Bamboo spider mite	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Schizotetranychus longus</i>	Tetranychidae	Bamboo spider mite	Fumigation, Heat	Treatment, Reshipment or Destruction
<i>Stenotarsonemus phylloporus</i>	Tetranychidae	Bamboo sheath mite	Fumigation, Heat	Treatment, Reshipment or Destruction

Note: Fumigation = Methyl Bromide Fumigation; Heat = 70°C for 4 hours.

Appendix 1 (b) List of Non-Regulated Pests Potentially Associated with Bamboo, Cane, Willow, and/or Rattan

Scientific Name	Organism Type	Common Name	MAF Approved Phytosanitary Treatment Options (see Note)	Contingency for interception
Micro-organisms				
<i>Alternaria alternata</i>	Fungus	Black mould	None Required	None
<i>Cochliobolus heterostrophus</i>	Fungus	Bipolaris leaf blight	None Required	None
<i>Cochliobolus lunatus</i> (anamorph <i>Curvularia lunata</i>)	Fungus	Necrosis of Culm internode	None Required	None
<i>Fusarium pallidoroseum</i>	Fungus	Branch die-back	None Required	None
<i>Gibberella baccata</i> (anamorph <i>Fusarium lateritium</i>)	Fungus	Culm purple blotch	None Required	None
<i>Gibberella intricans</i> (anamorph <i>Fusarium equiseti</i>)	Fungus	Rot	None Required	None
<i>Glomerella cingulata</i> (anamorph <i>Colletotrichum gloeosporioides</i>)	Fungus	Colletotrichum leaf spot	None Required	None
<i>Nectria haematococca</i> (anamorph <i>Fusarium solani</i>)	Fungus	Root rot	None Required	None
<i>Thanatephorus cucumeris</i>	Fungus	Damping off	None Required	None
<i>Trichoderma viride</i>	Fungus	Green mould	None Required	None

Note: Fumigation = Methyl Bromide Fumigation; Heat = 70°C for 4 hours.