



Import Health Standard

Dried and Preserved Plant Material

PLANTMATERIAL.IHS

24 July 2024

TITLE

Import Health Standard: Dried and Preserved Plant Material

COMMENCEMENT

This Import Health Standard comes into force on 24 July 2024

REVOCATION

This import health standard revokes and replaces the Import Health Standard: Dried and Preserved Plant Material.

The amendment history to this import health standard is set out in Appendix 2.

ISSUING AUTHORITY

This Import Health Standard is issued under sections 24A of the Biosecurity Act 1993 to incorporate amendments made pursuant to sections 24B and 166A of that Act.

Dated at Wellington, 24 July 2024

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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

This IHS specifies the import requirements for the importation of dried and preserved plant material from all countries.

Background

An IHS issued under the Biosecurity Act 1993 (the Act), specifies the requirements to be met to effectively manage biosecurity risks associated with importing goods, including the risks from incidentally imported organisms. IHSs may include requirements that must be applied before importation, before the movement to a transitional facility or before biosecurity clearance.

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 dried and preserved plant materials into New Zealand should read and be familiar with this IHS.

Why is this important?

It is the responsibility of the importer to ensure that 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.

The CTO may issue a direction under section 27(1)(d) of the Act, setting out specific measures different from those set out in this IHS, to be applied to effectively manage risks associated with specified goods.

Document history

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

Other information

Plant material containing controlled substances are also regulated by the [Misuse of Drugs Act \(1975\)](#) and require permission from the Ministry of Health prior to importing.

Convention on International Trade in Endangered Species (CITES)

Endangered and threatened plant species are regulated by the [Convention on International Trade in Endangered Species of Wild Fauna and Flora](#)

Note: It is the importers responsibility to be familiar with and comply with all New Zealand laws as this is not an exhaustive list of compliance requirements.

Part 1: General Requirements

1.1 Application

- (1) This Import Health Standard (IHS) applies to dried, preserved and/or processed plant material (Plant Material).
- (2) The term “Plant Material” in this IHS also covers lichens, algae or fungi unless specified otherwise.

Guidance

- For importation of plant materials for research and dried herbarium specimens please refer to the [Research Samples \(excluding animal samples\) import health standard](#).
- Animal feed of plant origin are regulated by IHS: [Processed animal feeds of plant origin](#)
- Animal products and processed food from animals containing plant products can be found on the MPI website: [Processed food from animals](#)
- Fertilisers and growing media of plant origin are regulated by IHS: [Fertiliser and growing media](#).
- Forest product IHSs can be found on the MPI website: [Importing timber and wood products](#)
- Fungi for growing information can be found on the MPI website: [Fungi for Growing](#)
- Grains and seed for consumption, feed or processing are regulated by IHS: [Grains and seeds for consumption, feed or processing](#)
- Plant Material for human consumption are regulated by IHSs for [stored plant products](#).
- Plant products containing microorganisms are regulated by IHSs: [Microorganisms from all countries](#) or [Research Samples \(excluding animal samples\)](#). These products must also comply with relevant requirements in [Hazardous Substances and New Organisms \(HSNO\) Act 1996](#) and may require approval from [Environmental Protection Authority](#).

1.2 Incorporation of material by reference

- (1) The following documents are incorporated by reference under section 142M of the Act:
 - a) [ISPM 5. 2017. Glossary of phytosanitary terms. Rome, IPPC, FAO](#)
 - b) [ISPM 12. 2017. Phytosanitary certificates. Rome, IPPC, FAO](#)
 - c) [MPI Plants Biosecurity Index \(PBI\)](#)
 - d) [MPI Schedule of Regulated \(Quarantine\) Weed Seeds](#)
 - e) [MPI Treatment Requirement: Approved Biosecurity Treatments \(MPI-ABTRT\)](#)
 - f) [Official New Zealand Pest Register \(ONZPR\)](#)
- (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) Refer to Appendix 1 for a list of definitions that apply to this IHS.

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.

Guidance

- To determine if an organism is regulated or non-regulated, refer to [ONZPR](#).
- If a visually detectable pest is not listed in ONZPR, the certifying National Plant Protection Organisation (NPPO) may contact MPI to establish the status of the pest.

Part 2: Pre-Shipment Requirements

2.1 Documentation

- (1) All documentation must be in English.
- (2) All documentation must be clearly legible and describe the Plant Material in a manner to identify the goods and consignment being imported.
- (3) All documentation will be inspected to verify compliance with the requirements of this IHS.

2.1.1 Import permit

- (1) Import permits are only required if specified in Part 4 of this IHS.

Guidance

- An [import permit application form](#) can be found on the [MPI website](#).

2.1.2 Phytosanitary Certificate

- (1) Phytosanitary certificates are only required if specified in Part 4 of this IHS.
- (2) Phytosanitary certificates must accompany the consignment and be original (including electronic phytosanitary certificates under ISPM 12) and free of alterations and erasures.

Guidance

- Phytosanitary certificates are issued in accordance with ISPM 12: *Phytosanitary Certificates* by the exporting NPPO.

2.1.3 Treatment Certificate

- (1) Treatment certificates are only required if specified in Part 4 of this IHS.
- (2) Treatment certificates must be issued on company letterhead by a person authorised to act on behalf of the company.
- (3) Treatment certificates must accompany the consignment and contain the following information:
 - a) a full description of the consignment;
 - b) all relevant identification marks and brands;
 - c) details of treatment (including dosage, duration, temperature, etc.);
 - d) date that treatment was completed;
 - e) the number and/or volume of items treated; and
 - f) container number (where applicable).
- (4) Invoice, batch, or consignment information must match with treatment certificate entries.

2.1.4 Manufacturer's Certificate

- (1) Manufacturer's certificates are only required if specified in Part 4 of this IHS.
- (2) Manufacturer's certificates must be issued on company letterhead by a person authorised to act on behalf of the company.
- (3) Manufacturer's certificates must accompany the consignment and contain the following information:
 - a) their signature, job title and date of issue;
 - b) name and address of the supplier (if different to the manufacturer);
 - c) identity of the product (description or brand name);
 - d) details and date of processing or manufacturing; and
 - e) any declarations required in Part 4 of this IHS.

2.2 Packaging

- (1) All packaging must be clean, free of contamination.
- (2) Wood packaging material (e.g., pallets) must meet the requirements of IHS: [Wood Packaging Material from All Countries](#)

2.3 Transit requirements

- (1) All consignments must be packed and shipped in a manner to effectively contain Plant Material and prevent contamination by regulated pests while in transit.

Part 3: Requirements on Arrival in New Zealand

3.1 Inspection upon arrival

- (1) Where inspection is required, the Plant Material will be inspected for the presence of pests, signs or symptoms of pests, soil, seeds that would not be expected to be present or any other visually detectable contaminants.
- (2) Inspection is not required for Plant Material directed for heat treatment on arrival unless stated in Part 4 of this IHS or stated on the import permit.
- (3) Inspection is not required for Plant Material that is accompanied by the required documentation unless:
 - a) stated in Part 4 of this IHS or stated on the import permit; or
 - b) Plant Material is subject to compliance auditing.

3.2 Interceptions of pests and contaminants

3.2.1 Pests

- (1) If live organisms are detected during inspection, the importer is to be given the option of identification or treatment.
- (2) If the live pest(s) are identified non-regulated, the Plant Material may be given biosecurity clearance.
- (3) If the live pest(s) are identified as regulated, the Plant Material may be given biosecurity clearance after treatment in accordance with [MPI-ABTRT](#).

3.2.2 Soil Contamination

- (1) If Plant Material is contaminated with soil, the soil must be removed (if possible) or treated in accordance with [MPI-ABTRT](#).

3.2.3 Seed Contamination

- (1) If Plant Material is contaminated with regulated weed seeds, prohibited or unidentified seeds, the seed must be removed or treated in accordance with [MPI-ABTRT](#).

3.3 Treatments

- (1) Where a consignment is treated prior to importation, either a completed treatment certificate or a phytosanitary certificate with the treatment and rate recorded in the “Disinfestation and/or Disinfection Treatment” section of the phytosanitary certificate must be provided.
- (2) Consignments may be treated on arrival in New Zealand, unless a pre-export treatment is required as stated in Part 4 of this IHS or stated on the import permit.

Guidance

- Approved treatments are listed in the [MPI-ABTRT](#) and are carried out at the importer’s risk and expense.
- Processing details incorporating a minimum heating requirement may also be given as an additional declaration in the phytosanitary certificate.

3.4 Products imported via Australia and irradiated on entry into Australia

- (1) Plant Material irradiated upon entry to Australia at Steritech can be imported into New Zealand up to six months after treatment based on the Steritech treatment certificate and batch numbers.
- (2) For Plant Material that has been opened/used in finished mixes and cannot be linked to the imported goods directly, a Steritech treatment certificate may be accepted for import up to six months after treatment:
 - a) these products must be accompanied by a manufacturer's certificate stating that the raw materials used in the manufacture of the finished mixes are sourced exclusively from products imported under given batch numbers, which link with the given Steritech batch numbers.
- (3) This provision is restricted to commercial consignments.

Part 4: Dried and Preserved Plant Material

4.1 Powdered, pasted and liquid extracts

- (1) There are no biosecurity requirements for Plant Material that is commercially packaged in the form of powders (including pelleted form), pastes or liquid extracts.
- (2) Plant Material must be labelled or accompanied by a manufacturer's certificate describing the content, ingredients, physical form and intended use.

Guidance

- Plant Material containing viable organisms are covered by either [Microorganisms from all countries](#) or [Research Samples \(excluding animal samples\)](#), depending on the intended use.
- Non-commercial plant material is subject to inspection upon arrival.
- Nucleic acids (extracted DNA and/or RNA) are not considered risk goods and do not need to be imported under an IHS.

4.2 Dried Plant Material for further processing

- (1) Plant Material imported for further processing (e.g., into pharmaceutical or nutraceutical products) is eligible for biosecurity clearance at the border, if the following conditions are met:
 - a) commercially manufactured and packaged;
 - b) packed in quantities no greater than 25kg bags;
 - c) free of viable organisms of species listed in the PBI as '*Entry Prohibited*';
 - d) free of seeds with requirements that cannot be met in the relevant schedule in the IHS: [Seed for sowing](#);
 - e) free of viable organisms of a species new to New Zealand;
 - f) free of viable fungi, lichens and multicellular algae, including spores and other propagules;
 - g) free of untreated or unprocessed bark if it is not finely cut; and
 - h) free of plant material larger than 1 cm.
- (2) If any requirements in Part 4.2 (1) cannot be met, the importer must apply for an import permit as per Part 2.1.1. The permit will specify requirements for clearance or direction to a transitional facility for treatment or processing.
- (3) Inspection on arrival is required in accordance with Part 3.1. If contaminants are detected, the material will require treatment or processing in a transitional facility.

Guidance

- Examples of Plant Material eligible for import are bark, dried finely cut leaves, flowers, plant stems, roots and mycelium.
- Personal consignments (imported through the passenger pathway only) of dried medicinal *Cannabis sativa* flower/buds are eligible for biosecurity clearance, provided they are in original packaging (i.e., from the pharmacy which dispensed them). Consignments must also meet the requirements of the [Medicinal Cannabis Scheme](#).

4.3 Preserved, dried, freeze-dried, bleached, or dyed Plant Material

4.3.1 Preserved Plant Material

- (1) Preserved Plant Material is eligible for biosecurity clearance subject to the requirements in Table 1.

Table 1: Preserved Plant Material

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
1.	Any plant material soaked in a preservative solution	<p>Preserved and soaked for a minimum of 48 hours in one of the following solutions:</p> <ul style="list-style-type: none"> • alcohol ($\geq 50\%$ v/v) • formalin/formaldehyde (acetic acid (FAA)) • Lugol's solution • NaCl-CTAB buffer • RNAlater® stabilisation solution <p>Preserved and soaked for a minimum of 120 hours in one of the following solutions:</p> <ul style="list-style-type: none"> • glycerol ($\geq 40\%$ v/v) 	<p>Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that:</p> <p>(a) details the preserving process that has been applied, and</p> <p>(b) specifies the full scientific name (genus and species) of the plant material.</p> <p>Personal consignments - Declaration form that:</p> <p>(a) confirms that the requirement of this IHS have been met,</p> <p>(b) details the preservative method (name and strength of the preservative, and preservation duration), and</p> <p>(c) includes the name and signature of the supplying organisation's head of department, their delegate, or equivalent, and date of issue.</p>
2.	Preserved decorative moss and lichen products	<p>Treatment with one of the following options to render the plant material non-viable:</p> <ul style="list-style-type: none"> • Preserved and soaked for a minimum of 48 hours in glycerine ($\geq 40\%$ v/v) for a minimum least 48 hours • Preserved and soaked in a solution of magnesium chloride (minimum 10% v/v) 	<p>All consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that:</p> <p>(a) details the drying, dyeing, and preserving processes that have been applied, and</p> <p>(b) specifies the full scientific name (genus and species) of the plant material.</p>

Guidance

- A template of the declaration form for Preserved Plant Material can be found [here](#).
- For aqueous preservatives not specified in this IHS, please contact Plant Imports plantimports@mpi.govt.nz.

4.3.2 Plant Material that does not contain propagules

- (1) Plant Material that does not contain propagules is eligible for biosecurity clearance subject to the requirements in Table 2.

Table 2: Plant Material that does not contain propagules

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
1.	Any Plant Material of family Pinaceae including pine and Douglas fir	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 70 °C for 4 hours Autoclave at 120 °C for 10 minutes at 100 kPa Irradiation at 25 kGy 	All consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: <ul style="list-style-type: none"> (a) details the treatment that has been applied, (b) declares that the arrangement is free from propagules, and (c) specifies the scientific genus of the plant material.
2.	Dried Plant Material of any species of grass, sedge or rush listed in the PBI seed for sowing as " Basic "		All consignments - Inspection
3.	Dried Plant Material of any species of grass, sedge or rush not listed in the PBI seed for sowing as "Basic"	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C for 15 hours Heat at 100 °C for 30 minutes Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy 	All consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: <ul style="list-style-type: none"> (a) details the treatment that has been applied, (b) declares that the arrangement is free from propagules, and (c) specifies the scientific genus of the plant material.
4.	Bleached foliage arrangements	Material that is bleached must be carried out in a solution of at least 3% sodium hypochlorite for a minimum of 8 hours, followed by drying.	Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: <ul style="list-style-type: none"> (a) details the bleaching process, (b) declares that the arrangement is free from propagules, and (c) specifies the scientific genus of the plant material. Personal consignments - Inspection

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
5.	Dyed foliage arrangements	Material that is dyed must be immersed in an aqueous dyeing solution and heated to a minimum of 80 °C for at least 3 minutes, followed by drying.	<p>Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that:</p> <ul style="list-style-type: none"> (a) details the dyeing process, and (b) declares that the arrangement is free from propagules, and (c) specifies the scientific genus of the plant material. <p>Personal consignments - Inspection</p>
6.	Dried flowers without cones/capsules/mature seeds and seed heads		<p>Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that:</p> <ul style="list-style-type: none"> (a) details the drying process, (b) declares that the arrangement is free from propagules, and (c) specifies the scientific genus of the plant material. <p>Personal consignments - Inspection</p>
7.	Freeze-dried flowers – without cones/capsules/mature seeds and seed heads	Material that is freeze-dried (or 'lyophilisation') must be frozen to at least minus 20 °C, followed by sublimation (a partial vacuum stage and subsequent pressure changes) and drying over a minimum of 10 continuous days.	<p>Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that:</p> <ul style="list-style-type: none"> (a) details the freeze-drying process, (b) declares that the arrangement is free from propagules, and (c) specifies the scientific genus of the plant material. <p>Personal consignments - Inspection</p>
8.	Enclosed silica-gel-dried flower and/or foliage arrangements, excluding cones/capsules/mature seeds and seed heads		<p>Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that:</p> <ul style="list-style-type: none"> (a) details the drying process, (b) declares that the arrangement is free from propagules, and (c) specifies the scientific genus of the plant material.

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
			Personal consignments - Inspection
9.	Other dried foliage without runners/rhizomes/cones/capsules/mature seeds and seed heads not specified above		Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: (a) details the drying process, (b) declares that the arrangement is free from propagules, and (c) specifies the scientific genus of the plant material.
			Personal consignments - Inspection

4.3.3 Plant material containing propagules

- (1) Dried or freeze-dried plant material that contains propagules is eligible for biosecurity clearance subject to the requirements in Table 3.

Guidance

- Propagules are runners, rhizomes, cones, capsules, seed heads, seeds, or fruits/flowers containing mature seeds.

Table 3: Plant material containing propagules

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
1.	Any Plant Material of family Pinaceae including pine and Douglas fir, including cones	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 70 °C for 4 hours Autoclave at 120 °C for 10 minutes at 100 kPa Irradiation at 25 kGy 	All consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: (a) details the treatment process, that has been applied, and (b) specifies the full scientific name (genus and species) of the plant material.
2.	Dried Plant material including propagules of any species listed in the PBI seed for sowing as " Basic ", excluding plant material of the family Pinaceae		All consignments - Inspection
3.	Dried Plant Material of any species of grass, sedge, or rush not listed in the PBI seed for sowing as "Basic"	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C for 15 hours Heat at 100 °C for 30 minutes 	All consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: (a) details the treatment that has been applied, and

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
		<ul style="list-style-type: none"> Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy 	(b) specifies the scientific name (genus and species) of the plant material.
4.	Freeze-dried plant material including propagules of any species listed in the PBI seed for sowing as " Specific requirements ", excluding plant material defined in Table 3: Row 1 to 3.	Material that is freeze-dried (or 'lyophilisation') must be soaked in an aqueous solution for at least 24 hours prior to freezing to at least minus 20 °C, followed by sublimation (a partial vacuum stage and subsequent pressure changes) and drying over a minimum of 10 continuous days.	Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: <ul style="list-style-type: none"> (a) details the freeze-drying process, and (b) specifies the full scientific name (genus and species) of the plant material.
			Personal consignments - Inspection
5.	Freeze-dried flowers – with cones/capsules/mature seeds and seed heads, excluding plant material of the family Pinaceae, or any species of grass, sedge, or rush	All cut flowers/stems must be in clean, new cartons/packages with each item individually packaged and labelled.	Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: <ul style="list-style-type: none"> (a) details the freeze-drying process, and (b) specifies the full scientific name (genus and species) of the plant material.
			Personal consignments - Inspection
6.	Mosses, or lichens	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Heat at 100 °C for 30 minutes Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy 	Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: <ul style="list-style-type: none"> (a) details the treatment process, that has been applied, and (b) specifies the full scientific name (genus and species) of the plant material
		Small amounts of dried moss in ornamental arrangements with other compliant materials	Personal consignments - Inspection
7.	Algae (including seaweeds), or fungal fruiting bodies	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Heat at 100 °C for 30 minutes Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy 	All consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: <ul style="list-style-type: none"> (a) details the treatment process, that has been applied, and (b) specifies the full scientific name (genus and species) of the plant material.

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
8.	Boab nuts (<i>Adansonia gregorii</i>)	No processing or treatment for devitalisation is required.	All consignments - Inspection for insects
9.	Dried Gourds	No processing or treatment for devitalisation is required.	All consignments - Inspection for insects
10.	Other plant material, including arrangements and bundles of mixed items not specified above	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Heat at 100 °C for 30 minutes Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy 	Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that: <ul style="list-style-type: none"> (a) details the treatment process, that has been applied, and (b) specifies the full scientific name (genus and species) of the plant material.
			Personal consignments - Inspection

4.3.4 Potpurri

(1) Potpourri is eligible for biosecurity clearance subject to requirements in Table 4.

Table 4: Potpourri

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
1.	Potpourri consisting of leaves and/or petals and/or clean wood shavings only.		All consignments - Inspection
2.	Bleached potpourri consisting of leaves and/or petals and/or clean wood shavings only	Material that is bleached must be carried out in a solution of at least 3% sodium hypochlorite for a minimum of 8 hours, followed by drying.	Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that details the bleaching process
			Personal consignments - Inspection
3.	Dyed potpourri consisting of leaves and/or petals and/or clean wood shavings only	Material that is dyed must be immersed in an aqueous dyeing solution and heated to a minimum of 80 °C for at least 3 minutes, followed by drying.	Commercial consignments - Manufacturer's certificate issued in accordance with Part 2.1.4 that details the dyeing process
			Personal consignments - Inspection

	Category Type or Grouping	Processing or Manufacturing Requirements	Documentation/Inspection requirements
4.	Potpourri not specified above	Treatment with one of the following options: <ul style="list-style-type: none"> • Heat at 85 °C at 40% RH for 15 hours • Heat at 100 °C for 30 minutes • Autoclave at 120 °C for 30 minutes at 100 kPa • Ethylene oxide at 1200g/m³ for 5 hours at 50 °C, at 50kPa • Ethylene oxide at 1500 g/m³ for 24 hours at 21 °C, at 50 kPa • Irradiation at 25 kGy 	Manufacturer's certificate, issued in accordance with Part 2.1.4, that details the manufacture processing including treatment as specified Personal consignments - Inspection

4.4 Brushwood fencing, garden frames, screening, roof thatching

- (1) An import permit is not required.
- (2) Plant Material must be free of leaves or roots (unless the dried leaves comprise the product) and be kept clean and free of seeds, pests, soil, animal material and any other contamination.
- (3) Plant Material must be thoroughly dried and not capable of propagation.
- (4) Plant Material must be packed and shipped in a manner to prevent possible in-transit contamination by regulated pests.
- (5) Phytosanitary certificates, issued by the NPPO of the exporting country, must accompany all Plant Material and must state the full scientific name of the plant.

Guidance

- This Plant Material is described as outdoor items that are not constructed primarily with timber.
- IHSs for timber products (wood, bamboo, cane, rattan, willow) can be found on MPI website: [Importing timber and wood products](#)
- Inspections of regularly imported commercial consignments with a good history of conformance on a same importer / same supplier basis, may have the inspection frequency or rates reduced at the discretion of MPI.

Table 5: Treatment of brushwood, fencing, garden frames, screening, roof thatching

Category Type or Grouping	Entry Requirements
Products comprising of: <ul style="list-style-type: none"> dried stems of <i>Thamnochortis insignis</i>, <i>Baeckea frutescens</i>, <i>Cunninghamia lanceolata</i> or <i>Calluna vulgaris</i>, dried leaves of <i>Hyperthelia dissolute</i>, <i>Imperata cylindrica</i>, <i>Miscanthus sacchariflorus</i> or <i>Phragmites australis</i> all other brush/thatch products other than <i>Melaleuca uncinata</i> and dried fern stems 	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Heat at 100 °C for 30 minutes Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy AND Inspection
Products comprising of: <ul style="list-style-type: none"> stems of <i>Melaleuca uncinata</i> dried fern stems e.g. of <i>Coniogramme</i>, <i>Dicranopteris</i>, <i>Gleichenia</i>, <i>Pteris</i> and <i>Pteridium</i> garden frames of smooth barked saplings 	Treatment with one of the following options: <ul style="list-style-type: none"> Heat treatment at 56 °C for 30 minutes Irradiation at 25 kGy Fumigation with MeBr at 72 g/m³ at 10–11 °C or at 64 g/m³ at 12–15 °C for 24 hours. (For every 5 °C increase in temperature the rate of MeBr can be decreased by 8 g/m³) AND Inspection

Guidance

- Examples of Plant Material eligible for import under this Part are:
 - brushwood fencing and fencing panels made from plant stems of *Baeckea frutescens*, *Cunninghamia lanceolata* or *Melaleuca uncinata*
 - garden frames made from unnamed saplings
 - rolls or panels made from dried stems of *Calluna vulgaris*
 - screening rolls or panels made from dried stems of *Coniogramme*, *Dicranopteris*, *Gleichenia*, *Pteris*, *Pteridium* ferns
 - roof thatching for gazebos made from dried leaves of *Imperata cylindrical* (Alang-alang or Bali grass) or *Miscanthus sacchariflorus* (Amur silvergrass)
 - reed stems (without leaves or roots) of *Thamnochortis insignis* (Dekriet, thatching reed, Albertina thatching reed)
 - thatching or panels made from *Phragmites australis* reeds
 - thatch roofing panels/tiles made from the dried grass leaves of *Hyperthelia dissoluta*

4.5 Miscellaneous dried/ processed Plant Material

- (1) Any Plant Material not listed in Table 6 requires an import permit as per Part 2.1.1.

Guidance

- Inspections of regularly imported commercial consignments with a good history of compliance (e.g., on same importer / same supplier basis) may have inspection frequency reduced at the discretion of MPI.
- Soap must not contain viable seeds.
- Electroplated plant materials (e.g., silver or gold plated or dipped roses) are not risk goods and do not need to meet the requirements in this IHS.

Table 6: Miscellaneous dried/ processed Plant Material

	Name, part and intended use	Type of Consignment	Requirements
1	Grapevine material (<i>Vitis</i> spp.) all plant parts	All consignments	Treatment with one of the following options: <ul style="list-style-type: none"> • Heat at 85 °C at 40% RH for 15 hours • Heat at 100 °C for 30 minutes • Autoclave at 120 °C for 30 minutes at 100 kPa • Irradiation at 25 kGy
2	Clean fibres, basket-ware, matting, finely woven mats, hats, bags, and woven handicraft items derived from dried leaves, stems, or straw of: <ul style="list-style-type: none"> • honeysuckle (<i>Lonicera</i> spp.) • maize leaf (<i>Zea mays</i>) including corn dolls • oat leaf (<i>Avena</i>) • wheat (<i>Triticum</i>) • barley (<i>Hordeum</i>) • millet (<i>Sorghum</i>) including broom millet • unidentified leaves for medicinal and religious purposes • unspecified dried leaves, stems or fibres 	Personal	Inspection
		Commercial	Treatment with one of the following options: <ul style="list-style-type: none"> • Heat at 85 °C at 40% RH for 15 hours • Heat at 100 °C for 30 minutes • Autoclave at 120 °C for 30 minutes at 100 kPa • Irradiation at 25 kGy OR For items heated in processing, a manufacturer's certificate giving details of the heat process.

	Name, part and intended use		Type of Consignment	Requirements
3	Clean fibres, basket-ware, matting, finely woven mats, hats, bags, woven handicraft items and furniture parts, frames derived from: <ul style="list-style-type: none">flax (<i>Linum usitatissimum</i> or <i>Phormium tenax</i>)hempjuteramie (<i>Boehmeria nivea</i>)sisal (<i>Agave sisalana</i>)seagrass<i>Arenga</i> spp.coconut (<i>Cocos nucifera</i>)raffia (<i>Raphia</i> spp.)bassine (<i>Palmyra</i>, <i>Borassus</i> spp.)coryphapalm fibre (other)abaca (undersheath of <i>Musa textilis</i>)water hyacinth stems as woven parts of furnituresugarcane (<i>Saccharum</i> spp.)reeds or bullrush (<i>Typha</i> spp.)		All consignments	No certification or inspection requirements
4	Clean Pacific style, hand woven or tapa cloth mats (including fine mats)		All consignments	No certification or inspection requirements
	Corn Cob Products			
5	Corn cobs with kernels, lacquered for genetic teaching laboratories		All consignments	Must be accompanied by a manufacturer's certificate stating that the cobs have been lacquered OR Inspection
6	Items made of un-lacquered corn husks and unprocessed cob pieces		All consignments	Treatment with one of the following options: <ul style="list-style-type: none">Heat at 85 °C at 40% RH for 15 hoursHeat at 100 °C for 30 minutesAutoclave at 120 °C for 30 minutes at 100 kPaIrradiation at 25 kGy
7	Ground corn cob - used for machine polishing material	course or fine grits not commercially packaged	All consignments	Inspection
		fine grits commercially packaged	All consignments	No certification or inspection requirements
	Items filled with Plant Material or Seeds			

	Name, part and intended use	Type of Consignment	Requirements
8	Stress or juggling balls and hacky sacks filled with seeds (other than those listed 'Basic' in the PBI)	All consignments	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Heat at 100 °C for 30 minutes Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy
9	Necklaces, artifacts, and handicrafts comprising seeds (other than those listed in the PBI seed for sowing as 'Basic')	All consignments	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Autoclave at 120 °C for 30 minutes at 100 kPa Heat at 100 °C for 30 minutes Irradiation at 25 kGy <p>Note:</p> <p>If seeds are drilled through the seed embryo, no treatment is required</p> <p>OR</p> <p>If seeds are listed as 'Basic' in the PBI, no certification or inspection requirements</p>
10	Therapeutic heat bags and hot packs containing seeds listed in the PBI seed for sowing as 'Basic'.	All consignments	No certification or inspection requirements
11	Therapeutic heat bags and hot packs containing seeds not listed in the PBI seed for sowing as 'Basic'.	Personal	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Autoclave at 120 °C for 30 minutes at 100 kPa Heat at 100 °C for 30 minutes Irradiation at 25 kGy <p>OR</p> <p>If not in original sales packaging, a verbal declaration that the bag has been used (Australia or New Zealand origin only)</p>
		Commercial	Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Autoclave at 120 °C for 30 minutes at 100 kPa Heat at 100 °C for 30 minutes Irradiation at 25 kGy
12		Personal	No certification or inspection requirements

	Name, part and intended use	Type of Consignment	Requirements
	Therapeutic pillows, duvets, and mattress liners filled with dried aromatic herbs – leaves and flowers	Commercial	Treatment with one of the following options: <ul style="list-style-type: none">Heat at 85 °C at 40% RH for 15 hoursAutoclave at 120 °C for 30 minutes at 100 kPaHeat at 100 °C for 30 minutesIrradiation at 25 kGy OR Inspection (sample(s) must be opened)
13	Cat nip toys filled with dried leaves (<i>Nepeta cataria</i>)	Personal	No certification or inspection requirements
		Commercial	Treatment with one of the following options: <ul style="list-style-type: none">Heat at 85 °C at 40% RH for 15 hoursAutoclave at 120 °C for 30 minutes at 100 kPaHeat at 100 °C for 30 minutesIrradiation at 25 kGy OR Inspection (sample(s) must be opened)
14	Lavender pillows or pouches filled with dried lavender leaves or flower heads (must be securely sewn as tied pouches)	Personal	No certification or inspection requirements
		Commercial Note: No action to be taken for Lavender seeds	Treatment with one of the following options: <ul style="list-style-type: none">Heat at 85 °C at 40% RH for 15 hoursAutoclave at 120 °C for 30 minutes at 100 kPaHeat at 100 °C for 30 minutesIrradiation at 25 kGy OR Inspection (sample(s) must be opened)
Smoking Products			
15	Tobacco (dried)	All consignments	No certification or inspection requirements
Brewing Products			
16	Hops (dried) commercially packaged pelletised	All consignments	Must be accompanied by a manufacturer's certificate stating that the hop product has been milled and extruded into pellets. OR Inspection to confirm milled and pelleted

	Name, part and intended use	Type of Consignment	Requirements
17	Hops (dried) all other forms, including compressed bales and plugs	All consignments	Treatment with one of the following options: <ul style="list-style-type: none">Heat at 85 °C at 40% RH for 15 hoursAutoclave at 120 °C for 30 minutes at 100 kPaHeat at 100 °C for 30 minutes OR Permit to import NOTE: An application can be made for a permit to process by brewing in a transitional facility. All dried hops must be securely contained. Any dried hop residues from brewing must be contained and collected for quarantine disposal
18	Malted barley - Refer to Part 5.3 IHS: Stored Plant Products for Human Consumption		
19	Brewers Yeast - Refer to Part 2.7 IHS: Specified animal products		
	Building Panels		
20	Ceiling and wall panels of straw and pressed steamed straw	All consignments	Manufacturer's certificate to show that product has been steamed OR Permit to import
	Plant Wrapping		
21	Bamboo wrapping leaves - dried and uncooked	All consignments	Treatment in accordance with IHS: Bamboo
	Pet Litter and Bedding Products		
22	All products pet litter and bedding products	Commercial	No certification or inspection requirements
	Other Miscellaneous Dried or Processed Products		
23	Teasels (<i>Dipsacus sylvestris</i> including <i>D. fullonium</i>), vegetable, wild or fullers teasel Empty flower heads	All consignments	Inspection
24	Smudge sticks - bundled vegetation (including grasses and conifers) bound with string used for smoking	All consignments	Inspection
25	Coconut shell products for uses other than fertilisers or growing media	Personal	No certification or inspection requirements
		Commercial	Inspection
26	Soap nut shells (<i>Sapindus mukorossi</i>) used as washing powder	All consignments	Inspection

	Name, part and intended use	Type of Consignment	Requirements
27	Paper with potentially viable embedded seeds	All consignments	Refer to Plant Biosecurity Index (PBI) and IHS: Seed for Sowing OR Treatment with one of the following options: <ul style="list-style-type: none"> Heat at 85 °C at 40% RH for 15 hours Heat at 100 °C for 30 minutes Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy
28	Paper with embedded, shredded non-viable plant material	All consignments	Inspection
29	Used sacks, sacking and packaging	All consignments	Inspection
30	Distillers dried grains and solubles imported for uses other than animal feed or fertilisers	All consignments	Inspection
31	Non-viable algae (may be unicellular) for shellfish feeding or other uses - shelf-stable, commercially prepared and packaged	All consignments	No certification or inspection requirements
32	Non-viable algae (may be unicellular) for shellfish feeding or other uses – all other forms	All consignments	Treatment with one of the following options: <ul style="list-style-type: none"> Autoclave at 120 °C for 30 minutes at 100 kPa Irradiation at 25 kGy OR Permit to import
33	<i>Lycopodium</i> spores for use as a pollen diluent	All consignments	Manufacturer's certificate stating that no viable spores are present
34	Manufactured bark flour (e.g. Modal Alder)	All consignments	No certification or inspection requirements. Refer to IHS: Sawdust
35	Neem powder for manufacturing toothpaste	All consignments	No certification or inspection requirements
36	Dried Plant Material pieces embedded in oils, soaps, resins, solid amber or Perspex	All consignments	No certification or inspection requirements
37	Ornamental seeds preserved in oils	All consignments	No certification or inspection requirements
38	Manufactured items containing kapok fibre	All consignments	No certification or inspection requirements
39	Processed cotton wool	All consignments	No certification or inspection requirements
40	Tatami mats (Japanese mats)	All consignments	No certification or inspection requirements

	Name, part and intended use	Type of Consignment	Requirements
41	Handicrafts or artwork made from plant material that has been varnished or lacquered or painted	All consignments	No certification or inspection requirements
42	Wax candles embedded with Plant Material (beeswax)	All consignments	Refer to IHS: BEEPROIC.ALL

4.6 Microscope slides of plant material

- (1) There are no certification or inspection requirements for microscope slides of fixed preserved Plant Material (including microorganisms) sealed onto microscope slides under coverslips.

Appendix 1: Definitions

Definitions have the same meaning as defined by the Act and ISPM 5, unless set out below.

Dried

For the purpose of this IHS, “dried” means preserved by removing all natural moisture.

Non-regulated pest

Those pests for which no phytosanitary actions would be undertaken if they were intercepted/detected.

Personal consignment

A consignment imported for personal use, not for resale, commercial distribution, or any other commercial purposes. A consignment relates to: (1) a passenger in the case of international passengers; or (2) cargo in the case of cargo containers containing personal effects; or (3) a mail or express freight item in the case of international mail or couriered services.

Preserved

For the purpose of this IHS, “preserved” means prevented from decaying or spoiling in preparation for some future use.

Propagule

Any plant structure that can give rise to a new plant. For this IHS, “propagule” includes runners, rhizomes, cones, capsules, seed heads, seeds, or fruits/flowers containing mature seeds.

Shelf stable

Not requiring refrigeration or freezing before opening.

Solubles

Ethanol production from cereal grains results in a co-product that can be used as animal feed. This co-product is called distillers dried grains with solubles.

Appendix 2: Amendment Record

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

No	Parts	Date
1	Sections 1; 2; 3; 4	21 December 2010
2	Section 3.5	26 January 2011
3	Section 3.5	13 April 2011
4	Section 3.5	28 November 2011
5	Amendment to Part 3.5 for Clean Pacific style, hand woven or tapa cloth mats, and paper with potentially viable embedded seeds.	13 April 2012
6	Amendment to Part 3.7 for Plant Material preserved in alcohol or other aqueous preservatives. Updated to reflect name change from MAF to MPI.	20 December 2013
7	Amendment to scope and Part 2.6 for plant, lichen, algal & fungal Plant Material for research purposes. Change of name of standard. Change to new MPI standard format.	16 September 2014
8	Amendment to Part 2.5 for accompanied clean Pacific style, hand woven or tapa cloth mats smaller than 2m ² .	13 November 2015
9	Minor amendment to update links from Biosecurity website to MPI website.	14 January 2016
10	Minor amendment. No change to requirements. Removal of errors and ambiguities. Simplification of headings. Removal of product brand names in Part 4.5 Change to format with renumbering and new Parts added: Part 2 and 3 added; Part 2.1 -2.5 changed to Part 4.1 - 4.5; Parts 2.6 and 2.7 changed to Parts 5.1 – 5.4.	18 December 2018
11	Amendment to Part 5.3 (4) to allow propagation of the samples in a transitional or containment facility (based on MPI assessment). Viable propagated material is not eligible for biosecurity clearance. Removal of sampling plan in Part 3.	06 June 2019
12	Minor amendment to Part 4.5. Removed buckwheat as example for therapeutic heat bags. Removed fine mats made from <i>Pandanus</i> spp. as example of Pacific mats. Changed inspection changed from 'and' to 'or' for Pacific mats. Removed fumigation for 'Clean fibres, basket-ware, matting, finely woven mats, hats, bags, woven handicraft items and furniture parts'. Added note: For non-compliant consignments, fumigation (SPT1) will be required at the discretion of an inspector. Reinstated tobacco requirements for 'dried leaves shredded/ cut or for further processing for retail' and for 'all other forms' and removed direction to a transitional facility for 'all other forms'. Removed table sub-heading. Renumbered tables throughout the IHS. Moved guidance table and added guidance note: Soap may not contain seeds that are viable.	29 November 2019
13	Minor amendment to Part 4.5. Removed inspection requirement for 'Clean fibres, basket-ware, matting, finely woven mats, hats, bags, woven handicraft items and furniture parts'.	18 December 2019
14	Amendment to Part 4.5. Removed heat treatment and inspection requirements for dried tobacco leaves.	27 November 2020

No	Parts	Date
15	Minor amendment to Part 3.3 removing guidance regarding irradiation treatment provider; Part 4.5 Table 4 removing Note regarding non-compliant clean fibres etc; and replacing reference to BORIC with ONZPR.	7 May 2021
16	Remove Parts 5.1, 5.2, 5.3 as they have been moved to the import health standard for Research Samples (excluding animal samples) . Change title to remove reference to research samples.	21 June 2021
17	Minor amendment to Part 4.3 and 5.4 removing 'for ornamental purposes' and 'glass' from those sections.	11 July 2022
18	Minor amendment to: <ul style="list-style-type: none"> - remove the declaration form (Appendix 2) and add an updated version in the Word format as a hyperlink into the guidance box of Part 4.7. - change some formatting styles and editorials to make the standard easier to follow (i.e., deleting Part 5.1-5.3 and placing them together in Part 1.1(1)-guidance box, change Heading 5.4 plant material preserved in aqueous preservatives to 4.7, add a new heading 4.6 for microscope slides of plant material, etc) - Update the standard based on the recent amendments of the RESEARCH.IHS - Update and fix some hyperlinks 	7 March 2023
19	Minor amendment to: <ul style="list-style-type: none"> - clarify that Part 4.2 applies to plant material imported for further processing - add guidance for personal consignments of dried <i>Cannabis sativa</i> flowers for medicinal use - add requirements for decorative dried moss species into Table 1 of Part 4.3 	4 April 2023
20	Minor amendment to: <ul style="list-style-type: none"> - add clarity to Part 4.3, as well as Table 1 and 2 - replace treatment codes with treatment details as per ABTRT - alter some clauses by splitting or moving sections or deleting statements that are no longer valid. - Improve clarity by changing some wording/phrasing, and formatting styles - add a definition for personal consignment, and shelf stable, and replace the word "private" to "personal consignment" for consistency throughout the IHS 	14 August 2023
21	Minor amendment to clarify the provisions in Part 3.1(3).	21 November 2023
22	Amendment to remove from Part 4.5: <ul style="list-style-type: none"> - inspection and certification requirements for Pacific-style handwoven mats or tapa mats (including fine mats) - reference to <i>Pandanus</i> spp. 	24 July 2024