

Fresh Mangosteen (*Garcinia mangostana*) for Human Consumption

MANGOSTEEN-IHS.FP

New Zealand Government

TITLE

Import Health Standard: Fresh Mangosteen (Garcinia mangostana) for Human Consumption

COMMENCEMENT

This Import Health Standard comes into force on date of signing.

REVOCATION

This Import Health Standard revokes and replaces the following:

- Import Health Standard Commodity sub-class: Fresh fruit/vegetables Mangosteen (*Garcinia mangostana*) From Indonesia.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mangosteen, (*Garcinia mangostana*) from Thailand.

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ISSUING AUTHORITY

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

Dated at Wellington,

Stephen Butcher Principal Adviser, Plants & Pathways Ministry for Primary Industries (acting under delegated authority of the Director-General)

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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 **importing risk goods** into New Zealand. This **IHS** specifies the requirements that must be met when **importing fresh mangosteen** into New Zealand.

Background

An IHS issued under the New Zealand Biosecurity Act 1993 (the Act) specifies the requirements to be met to effectively manage biosecurity risks associated with importing risk goods, including the risks from incidentally imported new organisms. IHSs include measures that must be applied in the exporting country before the risk goods are exported. IHSs also include requirements that must be met by importers during importation, including while the risk goods are in transit to New Zealand and held in a transitional facility, before biosecurity clearance can be given.

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

Who should read this?

This **IHS** should be read by anyone involved in the process of **importing fresh mangosteen** into New Zealand (or who has an interest in **importing fresh mangosteen**).

Why is this important?

It is the responsibility of the **importer** to ensure that **risk goods** (i.e. **fresh mangosteen**) 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 weed seeds are **intercepted** on the **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 measure(s).

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

Document History

This **IHS** replaces the following schedules in the revoked **Import Health Standard** 152.02: *Importation and Clearance of Fresh Fruit and Vegetables into New Zealand:*

- Mangosteen, Garcinia mangostana, Indonesia
- Mangosteen, Garcinia mangostana, Thailand

Version Date	Section Changed	Change(s) Description
XX July 2019	All	New document

Other information

Guidance boxes are included within this **IHS** for explanatory purposes. The guidance included in these boxes is for information only and has no legal effect.

Guidance Document: *Import of Fresh Fruit and Vegetables for Human Consumption* provides information to assist with meeting the requirements of an **IHS** for **fresh fruits and vegetables** and should be read in conjunction with this **IHS**. **Biosecurity clearance** of **fresh fruits and vegetables** will be covered by a separate draft document titled *Clearance Process for Fresh Fruit and Vegetables for Human Consumption*.

Within this **IHS**, terms printed in **bold** have the same meaning as that set out and defined in **ISPM 5**. *Glossary of phytosanitary terms,* **the Act** or in this **IHS**.

Draft for Consultation

Part 1: General Requirements

1.1 Application

(1) This **Import Health Standard (IHS)** applies to **fresh mangosteen** fruit (*Garcinia mangostana*) **imported** for human consumption ('**fresh mangosteen**').

Guidance

- Fresh mangosteen may include a calyx.
- Hybrids between species can be **imported** but only when each species is an approved **commodity**, i.e. an **IHS** exists for each species. The hybrid should meet the requirements specified in the **IHS** for each species in the hybrid. For example, pluots (*Prunus domestica* x *P. armeniaca*) should meet the requirements specified in the **IHS** for plum (*P. domestica*) and apricot (*P. armeniaca*).
- Some fresh commodities (commercially manufactured and processed fruits and vegetables of specific commercial brands that have undergone pre export assessment by the Ministry for Primary Industries (MPI)) can be found on the MPI website in <u>"Processed" Fresh Commodities</u>. These commodities are not considered to be risk goods and do not need to comply with the requirements of this IHS. To apply to have a processed fresh commodity assessed to be listed, contact <u>Plantimports@mpi.govt.nz</u>.
- Frozen, cooked, pickled, pureed or dried **commodities** for human consumption are covered by **Import Health Standard:** <u>Stored Plant Products for Human Consumption</u>.
- Import requirements for trade samples for evaluation are covered by Import Health Standard: Fresh Fruit and Vegetable Trade Samples for Evaluation.
- Import requirements for importing private consignments for fresh fruits and vegetables are covered by Import Health Standard: *Private Consignments of Fresh Fruits and Vegetables for Human Consumption.*

1.2 Incorporation by reference

- (1) The following documents are incorporated by reference under section 142M of the Act:
 - a) ISPM 4. Requirements for the establishment of pest free areas. Rome, IPPC, FAO.
 - b) **ISPM 5.** Glossary of phytosanitary terms. Rome, IPPC, FAO.
 - c) ISPM 7. Phytosanitary certification system. Rome, IPPC, FAO.
 - d) **ISPM 10.** Requirements for the establishment of pest free places of production and pest free production sites. Rome, IPPC, FAO.
 - e) **ISPM 12.** *Phytosanitary certificates*. Rome, IPPC, FAO.
 - f) **ISPM 14.** The use of integrated measures in a systems approach for pest risk management. Rome, IPPC, FAO.
 - g) **ISPM 23.** *Guidelines for inspection.* Rome, IPPC, FAO.
 - h) ISPM 28. Phytosanitary treatments for regulated pests. Rome, IPPC, FAO.
 - i) **ISPM 31.** Methodologies for sampling of consignments. Rome, IPPC, FAO.
 - j) MPI Biosecurity Organisms Register for Imported Commodities (BORIC). Wellington, MPI.
 - k) MPI Schedule of Regulated (Quarantine) Weed Seeds. Wellington, MPI.
- (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 Schedule 1.

1.4 General requirements for fresh mangosteen

- (1) **Importers** may only **import fresh mangosteen** from a country where:
 - a) the NPPO has provided evidence to the satisfaction of a CTO that the exporting country has a phytosanitary certification system that complies with ISPM 7. *Phytosanitary certification system*. The phytosanitary certification system (including programmes and standards) must demonstrate the process used to provide export assurance, and
 - b) an **Export Plan** has been approved by a **CTO**.
- (2) **Consignments** of **fresh mangosteen** imported into New Zealand must:
 - a) meet the specific requirements in Part 2 Specific Requirements;
 - b) be free from contamination and other extraneous material;
 - c) be **packaged** in clean and either new or refurbished material;
 - d) be secured in a manner to prevent contamination; and
 - e) be accompanied by documentation that meets the requirements of Part 3 *Inspection, Verification and Documentation Requirements*.
- (3) A consignment of fresh mangosteen may receive a biosecurity clearance if the fresh mangosteen meets the requirements of this IHS.

Guidance

- Countries that meet the requirements in 1.4 (1) and are approved to trade **fresh mangosteen** are listed in an <u>online pest database</u>.
- A list of pests associated with fresh mangosteen can be found in the online pest database.
- The full list of **regulated** and non-**regulated pests** for New Zealand can be found in **BORIC** and the <u>Schedule of regulated (quarantine) weed seeds</u>. These databases can be found on the MPI website.

1.5 Transitional arrangements

- (1) If a Bilateral Quarantine Arrangement (BQA), Official Assurance Programme (OAP) or other approved government to government arrangement exists on [date of issue] :
 - a) An Export Plan is not required during the transitional period; and
 - b) The **phytosanitary certificate** must include the **additional declarations** specified in Schedule 2 that are relevant to the exporting country (instead of the **additional declaration** required by 3.3).
- (2) Clause 1.5 (1) expires on the date that an Export Plan for the relevant country is approved by a CTO or 3 years after [date of issue], whichever is earlier ('transitional period').

Guidance

 MPI is replacing all current BQAs, OAPs and other approved government to government arrangements with Export Plans. An Export Plan is not required during the transitional period as identified in 1.5 (2) because BQAs, OAPs and other approved government to government arrangements are considered equivalent to an Export Plan during the transitional period.

Part 2: Specific Requirements

2.1 Basic Measures

(1) **Fresh mangosteen** must be sourced from a **production site** that uses standard **commercial production** methods.

2.2 Targeted Measures

- (1) The following **pest**(**s**) require *Targeted Measures*:
 - a) Chrysomphalus aonidum
 - b) Wasmannia auropunctata
- (2) At least one of the following *Targeted Measures* must be applied in relation to **fresh mangosteen** to manage each of the **pest**(**s**) listed in 2.2 (1):
 - a) <u>Country Freedom</u>: a country has country freedom status in accordance with **ISPM 4**. *Requirements for the establishment of pest free areas* in relation to the **pest**.
 - b) <u>Pest Free Area</u>: the fresh mangosteen is sourced from a pest free area established in accordance with ISPM 4. *Requirements for the establishment of pest free areas.*
 - c) <u>Pest Free Place of Production</u>: the **fresh mangosteen** is sourced from a **pest free place of production** established in accordance with **ISPM 10.** *Requirements for the establishment of pest free places of production and pest free production sites.*
 - In-field Pest Controls: in-field pest control activities are undertaken that are effective for managing the pests.
 - e) <u>Phytosanitary Treatments</u>: a phytosanitary treatment that is effective for managing the pests in accordance with the efficacy requirements of ISPM 28. *Phytosanitary treatments for regulated pests* is applied prior to export or in transit to New Zealand.
 - f) <u>Systems Approach</u>: two or more independent measures listed above are applied in a way that accords with the systems approach described in ISPM 14. The use of integrated measures in a systems approach for pest risk management.

2.3 MPI-Specified Measures

- (1) The following **pest**(s) require MPI-Specified Measures:
 - a) Bactrocera carambolae
 - b) Bactrocera dorsalis
 - c) Bactrocera papayae
- (2) At least one of the following *MPI-Specified Measures* must be applied in relation to **fresh mangosteen** to manage each of the **pest(s)** listed in 2.3 (1):
 - a) <u>Country Freedom</u>: a country has country freedom status in accordance with **ISPM 4**. *Requirements for the establishment of pest free areas* in relation to the **pest**.
 - b) <u>MPI Non-Host</u>: the fresh mangosteen is considered a non-host for target fruit fly species based on the condition of the **commodity** such as undamaged state.

Guidance

• New Zealand is **free from** all **economically important fruit fly** species which are recognised as **quarantine pests**. **Economically important fruit fly** species will be added to the **pest** list for **fresh mangosteen** as and when they are identified.

Part 3: Inspection, Verification and Documentation Requirements

3.1 Phytosanitary inspection

- (1) A sample unit for the purpose of this IHS is an individual fresh mangosteen fruit.
- (2) The **NPPO** of the exporting country must:
 - a) sample each homogeneous grower **lot** of **fresh mangosteen**. The minimum sample size for **inspection** must be based on a 95% confidence level that not more than 0.5% of the units in the **lot** are **infested** as set out in **ISPM 31.** *Methodologies for sampling of consignments* Appendix 2;
 - b) visually inspect each sample unit according to official phytosanitary procedures in accordance with ISPM 23. Guidelines for inspection;
 - c) verify that the **consignment** is free from defects such as broken skin, rot and damage;
 - d) verify that the *Basic Measures*, *Targeted Measures* and *MPI-Specified Measures* have been applied as outlined in Part 2 Specific Requirements;
 - e) reconcile that the number of packages presented for **inspection** is consistent with documentation;
 - f) verify that traceability labelling is complete; and
 - g) verify that phytosanitary security is maintained for the consignment.
- (3) The **NPPO** must contact MPI to establish the regulatory status of any **pests** not listed in **BORIC** and found during an **inspection**.

3.2 Phytosanitary certification

- (1) Each consignment must meet the requirements set out in Part 3 Inspection, Verification and Documentation Requirements and be accompanied by a phytosanitary certificate issued by the NPPO in accordance with ISPM 12. Phytosanitary certificates.
- (2) The **phytosanitary certificate** must include the following where applicable:
 - a) Sufficient detail to enable identification of the **consignment** and its component parts. Information must include country/place of origin.
 - b) The scientific name of fresh mangosteen (Garcinia mangostana).
 - c) Full details of any phytosanitary treatments applied to fresh mangosteen in the "Disinfestation and/or Disinfection Treatment" section of the phytosanitary certificate or as an NPPO-endorsed attachment to the phytosanitary certificate.
 - i) All details of the **treatment** applied must be recorded, e.g. minimum **irradiation** dose, duration and temperature, chemical (active ingredient) and concentration.
 - d) The following certifying statement, or a variation that is compliant with **ISPM 12**. *Phytosanitary certificates* and has been approved by a **CTO**:
 - "This is to certify that the plants, plant products or other regulated articles described herein have been inspected and/or tested according to appropriate official procedures and are considered to be free from the quarantine pests specified by the importing contracting party and to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests."
- (3) When the **consignment** is **treated in transit**:
 - a) the **phytosanitary certificate** must state "Treated in transit" in the "Disinfestation and / or Disinfection Treatment" section of the **phytosanitary certificate**; and

- b) the **importer** must provide evidence of the **in transit treatment** record (including temperature and duration).
- (4) If a consignment of fresh mangosteen is opened, split up or has its packaging changed prior to when it arrives in New Zealand, a phytosanitary certificate for re-export is required from the transiting country, in accordance with ISPM 12. *Phytosanitary certificates,* and must accompany each consignment.

Guidance

• If viable regulated pests are detected, a phytosanitary certificate should not be issued unless appropriate phytosanitary measures have been applied.

3.3 Additional declarations

- (1) Unless Country Freedom (2.2 (2)(a) or 2.3 (2)(a)) applies to all pests listed in 2.2 (1) and 2.3 (1), the phytosanitary certificate must also include the applicable additional declarations when *Targeted* or *MPI-Specified Measures* are required:
 - a) "This consignment was produced and prepared for export in accordance with the agreed Export Plan."

AND

- b) "This consignment [insert name of approved measure] for [name of pest]."
- (2) The additional declaration 3.3 (1) b) must be repeated for each pest listed in 2.3 (1) and its approved measure as outlined in the Export Plan.

Guidance

- Refer to 1.5 (1) b) for the transitional arrangements for **additional declarations**.
- Examples of the **additional declaration** 3.3 (1) (b) are as follows: This consignment was irradiated for *Bactrocera cucumis*, or This consignment has non-host status (varietal/maturity) for *Bactrocera cucumis*.

Schedule 1: Definitions

Definitions have the same meaning as defined in **ISPM 5.** *Glossary of phytosanitary terms* or **the Act** unless set out below. Derived forms of terms set out in the aforementioned sources, e.g. *inspect* from *inspection*, are considered to have the same meaning as the defined term.

Additional declaration

Definition as per ISPM 5. Glossary of phytosanitary terms

Arrive in New Zealand Definition as per the Act.

Biosecurity clearance (including clearance/cleared) Definition as per the Act.

Biosecurity Organism Register for Imported Commodities (BORIC)

MPI database which identifies the **quarantine** status for an **organism** as either **regulated** or non-**regulated** for New Zealand. **BORIC** is available at:

https://www.mpi.govt.nz/news-and-resources/resources/registers-and-lists/biosecurity-organisms-register-forimported-commodities/

Chief Technical Officer (CTO)

Definition as per the Act.

Commercial production

Process (system) where activities, such as in-field monitoring, in-field **pest control activities**, harvesting, cleaning, sorting, and grading have been undertaken to produce a **commodity** that is free from defects such as broken skin, rot and damage. Depending on the systems in place, these activities can be undertaken at any stage from the point of planting to the point of export.

Commodity

Definition as per ISPM 5. Glossary of phytosanitary terms

Consignment

Definition as per ISPM 5. Glossary of phytosanitary terms

Contamination

Definition as per ISPM 5. Glossary of phytosanitary terms

Economically important fruit flies

Those regulated fruit flies which, on **entry** into New Zealand, would cause a major disruption to market access for a wide range of New Zealand **commodities** and/or have significant economic impacts on their production and/or have significant economic impacts on the environment.

Efficacy (of a treatment)

Definition as per **ISPM 5**. Glossary of phytosanitary terms

Entry (of a consignment)

Definition as per ISPM 5. Glossary of phytosanitary terms

Entry (of a pest)

Definition as per ISPM 5. Glossary of phytosanitary terms

Equivalence

Definition as per ISPM 5. Glossary of phytosanitary terms

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Export Plan

An **Export Plan** is a document negotiated between MPI and the **NPPO** of the exporting country that details how the exporting country will meet the **import** requirements (*Targeted Measures* and/or *MPI-Specified Measures*) for New Zealand.

FAO

Food and Agriculture Organization of the United Nations.

Free from (of a consignment, field or place of production)

Definition as per **ISPM 5**. Glossary of phytosanitary terms

Fresh Definition as per ISPM 5. Glossary of phytosanitary terms

Fruits and vegetables

Definition as per ISPM 5. Glossary of phytosanitary terms

High Impact Pest

Regulated pests that are considered to have a high economic impact if they were introduced into New Zealand and therefore require a higher level of measure e.g. *MPI-Specified*.

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Import Definition as per the Act.

Import health standard (IHS) Definition as per **the Act**.

Importation Definition as per **the Act**.

Importer Definition as per **the Act**.

In transit

Refers to **risk goods** (**consignments**) in the process of being shipped to New Zealand, for example **risk goods** in sea containers on board a vessel. These **risk goods** or **consignments** may have **treatments** applied (for example, cold **treatment**) while the **risk goods** are en route to New Zealand.

Incidentally imported new organism Definition as per **the Act**.

Infestation Definition as per ISPM 5. Glossary of phytosanitary terms

Inspection Definition as per ISPM 5. Glossary of phytosanitary terms

Interception (of a pest) Definition as per ISPM 5. Glossary of phytosanitary terms

International Standard for Phytosanitary Measures (ISPM)

Definition as per **ISPM 5**. *Glossary of phytosanitary terms*. The list of **ISPMs** are available from: <u>https://www.ippc.int/en/core-activities/standards-setting/ispms/</u>.

IPPC

International Plant Protection Convention.

Irradiation

Definition as per **ISPM 5**. Glossary of phytosanitary terms

Lot

Definition as per ISPM 5. Glossary of phytosanitary terms

MPI Non-Host

MPI Non-Host is a categorisation to describe the host status of fresh fruit to fruit flies (Tephritidae). MPI Non-Host status is determined based on the condition in which the commodity is exported such as stage of maturity and undamaged state, cultivar/variety and undamaged state or undamaged state.

National Plant Protection Organisation (NPPO)

Definition as per **ISPM 5**. Glossary of phytosanitary terms

Official

Definition as per **ISPM 5**. Glossary of phytosanitary terms

Online pest database

MPI database that lists which countries are approved to export a specific **commodity** to New Zealand, the pests associated with specific country: commodity combinations and the phytosanitary measures that have been agreed between MPI and the NPPO of the exporting country to manage those pests. The online pest database is available at: https://www.mpi.govt.nz/importing/food/fresh-fruit-and-

vegetables/requirements/epest

Organism

Definition as per the Act.

Packaging

Definition as per **ISPM 5**. Glossary of phytosanitary terms

Pathway

Definition as per **ISPM 5**. Glossary of phytosanitary terms

Pest

Definition as per ISPM 5. Glossary of phytosanitary terms

Pest control activities

Activities such as cultural, chemical, biological, physical, genetic, behavioural for the purpose of pest control including phytosanitary measures such as pest free area, in-field pest controls, phytosanitary treatment.

Pest free area

Definition as per ISPM 5. Glossary of phytosanitary terms

Pest free place of production Definition as per **ISPM 5**. Glossary of phytosanitary terms

Phytosanitary certificate Definition as per ISPM 5. Glossary of phytosanitary terms

Phytosanitary certification

Definition as per ISPM 5. Glossary of phytosanitary terms

Phytosanitary measure

Definition as per ISPM 5. Glossary of phytosanitary terms

Phytosanitary procedure

Definition as per ISPM 5. Glossary of phytosanitary terms

Phytosanitary security

Definition as per ISPM 5. Glossary of phytosanitary terms

Place of production

Definition as per ISPM 5. Glossary of phytosanitary terms

Plants

Definition as per **ISPM 5**. *Glossary of phytosanitary terms*

Production site Definition as per **ISPM 5**. *Glossary of phytosanitary terms*

Quarantine Definition as per **ISPM 5**. *Glossary of phytosanitary terms*

Quarantine pest Definition as per **ISPM 5**. *Glossary of phytosanitary terms*

Regulated pest

A pest that is identified as a regulated pest in BORIC or the Schedule of regulated (quarantine) weed seeds.

Re-export (consignment)

Definition as per ISPM 5. Glossary of phytosanitary terms

Risk goods Definition as per the Act.

Seeds

Definition as per ISPM 5. Glossary of phytosanitary terms

Survey

Definition as per ISPM 5. Glossary of phytosanitary terms

Systems approach Definition as per ISPM 5. Glossary of phytosanitary terms

Transitional facility Definition as per **the Act**.

Treatment (including **treated**) Definition as per **ISPM 5**. *Glossary of phytosanitary terms*

Viable (regulated pest) Any regulated pest that is capable of reproduction and development, including insects, plants, seeds and other organisms.

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Schedule 2: Transitional period – Additional declarations

Table 1 specifies the **additional declarations**, relevant to the exporting country, which must be used instead of the **additional declarations** required by 3.3 during the **transitional period** identified in 1.5 (2).

Country	Additional declaration
Indonesia	The mangosteen in this consignment have:
	(a) undergone appropriate pest control activities that are effective against <i>Chrysomphalus aonidum</i> and <i>Wasmannia auropunctata</i> in accordance with the Official Assurance Programme
	AND
	(b) been managed in accordance with Section 3.1 of the Official Assurance Programme between the New Zealand Ministry for Primary Industries and the Indonesian Ministry of Agriculture, concerning the access of host material of economically significant fruit fly species from Indonesia to New Zealand.
	AND
	(c) undergone mandatory pre-export methyl bromide fumigation in accordance with the Official Assurance Programme for external regulated pests, prior to phytosanitary inspection by the Indonesian Ministry of Agriculture, at the rate of 32 g/m3 for 2 hours at a temperature of 21°C or greater, at a loading of not greater than 50% chamber capacity.
Thailand	This is to certify that the mangosteens in this consignment have undergone appropriate pest control activities that are effective against those regulated high impact pests specified by MPI.

Table 1: Additional declarations relevant to the exporting country.

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