



# Import Health Standard

## Fresh Mango (*Mangifera indica*) for Human Consumption

MANGO-IHS.FP

## TITLE

Import Health Standard: Fresh Mango (*Mangifera indica*) 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 Mango, *Mangifera indica* from Australia.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from the Cook Islands.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from Ecuador.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from Fiji.
- Import Health Standard Commodity sub-class: Fresh fruit/vegetables Mangoes (*Mangifera indica*) from India.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from New Caledonia.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from Peru.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from the Philippines.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from Taiwan.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from Thailand.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from Tonga.
- Import Health Standard Commodity Sub-class: Fresh Fruit/Vegetables Mango, *Mangifera indica* from the United States of America - State of California.
- Import Health Standard Commodity sub-class: Fresh fruit/vegetables Mangoes (*Mangifera indica*) from Vietnam.

## ISSUING AUTHORITY

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

Dated at Wellington,

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(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 from all countries. This **IHS** specifies the requirements that must be met when **importing fresh mango** 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 mango** into New Zealand (or who has an interest in **importing fresh mango**).

## Why is this important?

It is the responsibility of the **importer** to ensure that **risk goods** (i.e. **fresh mango**) 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**:

- Mango, *Mangifera indica*, Australia
- Mango, *Mangifera indica*, Cook Islands
- Mango, *Mangifera indica*, Ecuador
- Mango, *Mangifera indica*, Fiji
- Mango, *Mangifera indica*, India

- Mango, *Mangifera indica*, Mexico
- Mango, *Mangifera indica*, New Caledonia
- Mango, *Mangifera indica*, Peru
- Mango, *Mangifera indica*, Philippines
- Mango, *Mangifera indica*, Taiwan
- Mango, *Mangifera indica*, Thailand
- Mango, *Mangifera indica*, Tonga
- Mango, *Mangifera indica*, United States of America (State of California)
- Mango, *Mangifera indica*, Viet Nam

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 guidance document.

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

## Part 1: General Requirements

### 1.1 Application

- (1) This **Import Health Standard (IHS)** applies to **fresh mango** fruit (*Mangifera indica*) **imported** for human consumption ('**fresh mango**').
- (2) This **IHS** applies to **imports** of **fresh mango** from those countries that meet the requirements in 1.4.

#### Guidance

- 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.
- Some **fresh commodities** (commercially manufactured and processed **fruits and vegetables** of specific commercial brands that have undergone pre export assessment by MPI) can be found on the MPI website in "[Processed Fresh Commodities](#)". 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 [Plantimports@mpi.govt.nz](mailto:Plantimports@mpi.govt.nz).
- Frozen, cooked, pickled, pureed or dried **commodities** for human consumption are covered by **Import Health Standard: [Stored Plant Products for Human Consumption](#)**.
- **Import** requirements for trade samples for evaluation and private consignments are covered by separate standards.

### 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 26.** *Establishment of pest free areas for fruit flies (*Tephritidae*)*. Rome, IPPC, FAO.
  - i) **ISPM 28.** *Phytosanitary treatments for regulated pests*. Rome, IPPC, FAO.
  - j) **ISPM 31.** *Methodologies for sampling of consignments*. Rome, IPPC, FAO.
  - k) **ISPM 42.** *Requirements for the use of temperature treatments as phytosanitary measures*. Rome, IPPC, FAO.
  - l) **MPI Biosecurity Organisms Register for Imported Commodities (BORIC)**. Wellington, MPI.
  - m) **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 mango

- (1) **Importers** may only **import fresh mango** from a country where:
- 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.
  - an **Export Plan** that details the activities and processes established to achieve any *Targeted Measures* and *MPI-Specified Measures* identified in Part 2 *Specific Requirements* has been approved by a **CTO**.
- (2) In order to obtain **biosecurity clearance** all **consignments of fresh mango imported** into New Zealand must:
- meet the specific requirements in Part 2 *Specific Requirements*;
  - be considered **free from viable regulated pests**, soil and other **contamination**;
  - at the time of export, be commercially produced in accordance with the principles of **Good Agricultural Practice (GAP)** and meet the requirements relating to export quality in 1.4 (3);
  - be **packaged** in clean and either new or refurbished material;
  - be exported in a secure manner to prevent **contamination**; and
  - be accompanied by documentation that meets the requirements of Part 3 *Inspection, Verification and Documentation Requirements*.
- (3) All **consignments of fresh mango** must be:
- intact, sound and clean;
  - free from:
    - rot, signs of shrivelling and dehydration;
    - any visible foreign matter;
    - damage caused by **pests** affecting the flesh; and
    - abnormal moisture;
  - able to withstand transportation and handling.
- (4) **Fresh mango** must not include flowers, leaves, roots or any other **plant parts**.
- (5) **Fresh mango** must only be used for human consumption.

### Guidance

- Countries that meet the requirements in 1.4 (1) and are approved to trade **fresh mango** are listed in an [online pest database](#).
- A list of **pests** associated with **fresh mango** 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 [Schedule of regulated \(quarantine\) weed seeds](#). These databases can be found on the MPI website.
- In 1.4 (2) “considered **free from viable regulated pests**” is used as described in Section 5 of **ISPM 12. Phytosanitary certificates**.
- The phytosanitary **inspection** by the **NPPO** in Part 3 *Inspection, Verification and Documentation Requirements* may be used to determine whether the requirements in 1.4 (3) are met.

## 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] :
- An **Export Plan** is not required; and



- b) The **phytosanitary certificate** must include the **additional declarations** specified in 3.4 Table 2 that are relevant to the exporting country (instead of the **additional declarations** 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 the earlier).

#### 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 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.

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## Part 2: Specific Requirements

### 2.1 Basic Measures

- (1) **Fresh mango** must be sourced from a **production site** that uses standard commercial cultivation methods that comply with the principles of **Good Agricultural Practice (GAP)** including **pest control**, harvesting, sorting, cleaning, **inspection** and **packaging**.

### 2.2 Targeted Measures

- (1) The following **pest(s)** require *Targeted Measures*:
  - a) *Aleurocanthus woglumi*
  - b) *Anastrepha distincta*
  - c) *Conogethes punctiferalis*
- (2) At least one of the following *Targeted Measures* must be applied in relation to **fresh mango** to manage each of the **pest(s)** listed in 2.2 (1):
  - a) **Country Freedom**: a **CTO** is satisfied that 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) **Pest Free Area**: the **fresh mango** is sourced from a **pest free area** established in accordance with **ISPM 4. Requirements for the establishment of pest free areas**.
  - c) **Pest Free Place of Production**: the **fresh mango** 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**.
  - d) **In-field Pest Controls**: in-field **pest control activities** are undertaken that are effective for managing the **pests**, consistent with the principles of **GAP**.
  - e) **Phytosanitary Treatments**: 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) **Systems Approach**: 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**.
- (3) Detailed activities and processes that relate to the measure(s) must be outlined in the **Export Plan** and approved by a **CTO**.

#### Guidance

- MPI will audit the management of **pest free areas** for compliance with **ISPM 4. Requirements for the establishment of pest free areas**.
- MPI will audit the management of the **pest free place of production** for compliance with **ISPM 10. Requirements for the establishment of pest free places of production and pest free production sites**.
- **ISPM 14. The use of integrated measures in a systems approach for pest risk management** provides guidelines for the development and evaluation of integrated measures in a **systems approach** as an option for **pest risk management**.
- During the transitional period identified in 1.5 (2), the requirements for an **Export Plan** can be met by BQAs, OAPs, or other approved government to government arrangements.

### 2.3 MPI-Specified Measures

- (1) The following **pest(s)** require *MPI-Specified Measures*:

a) Fruit flies of economic importance, including:

- i) *Anastrepha fraterculus*
- ii) *Anastrepha ludens*
- iii) *Anastrepha obliqua*
- iv) *Anastrepha serpentina*
- v) *Anastrepha striata*
- vi) *Bactrocera aquilonis*
- vii) *Bactrocera carambolae*
- viii) *Bactrocera caryeae*
- ix) *Bactrocera correcta*
- x) *Bactrocera cucumis*
- xi) *Bactrocera cucurbitae*
- xii) *Bactrocera curvipennis*
- xiii) *Bactrocera diversa*
- xiv) *Bactrocera dorsalis*
- xv) *Bactrocera facialis*
- xvi) *Bactrocera frauenfeldi*
- xvii) *Bactrocera jarvisi*
- xviii) *Bactrocera kirki*
- xix) *Bactrocera kraussi*
- xx) *Bactrocera melanotus*
- xxi) *Bactrocera murrayi*
- xxii) *Bactrocera neohumeralis*
- xxiii) *Bactrocera opilliae*
- xxiv) *Bactrocera passiflorae*
- xxv) *Bactrocera philippinensis*
- xxvi) *Bactrocera psidii*
- xxvii) *Bactrocera tau*
- xxviii) *Bactrocera tryoni*
- xxix) *Bactrocera tuberculata*
- xxx) *Bactrocera xanthodes*
- xxxi) *Bactrocera zonata*
- xxxii) *Ceratitis capitata*

(2) At least one of the following *MPI-Specified Measures* must be applied in relation to **fresh mango** to manage each of the **pest(s)** listed in 2.3 (1):

- a) Country Freedom: a **CTO** is satisfied that 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) Pest Free Area: the **fresh mango** is sourced from a **pest free area** established in accordance with **ISPM 4. Requirements for the establishment of pest free areas** and, if applicable, **ISPM 26. Establishment of pest free areas for fruit flies (Tephritidae)**.
- c) Phytosanitary Treatments: the **fresh mango** is treated:
  - i) in accordance with the **treatment** for the **pest** specified in the relevant annex of **ISPM 28. Phytosanitary treatments for regulated pests** or if an annex is not available, a *MPI-Specified Measure* as set out in Table 1 below;
  - ii) prior to export to New Zealand, or **in transit** to New Zealand if approved by a **CTO** and recorded in the **Export Plan**; and
  - iii) at a facility that is registered or approved by the **NPPO** in the exporting country or by a **CTO**.

(3) Table 1 contains the approved *MPI-Specified Measures* for **pest(s)** listed in 2.3 (1) which are not currently specified in a relevant annex of **ISPM 28. Phytosanitary treatments for regulated pests**

**Table 1: Approved MPI-Specified Measures.**

Pest	Type of Measure	Treatment													
<i>Bactrocera curvipennis</i> <i>Bactrocera psidii</i> <i>Bactrocera tryoni</i>	High Temperature Forced Air	Exposure in a forced air chamber: <ul style="list-style-type: none"><li>at a minimum of 60% relative humidity</li><li>with air temperature increasing over a minimum of 3.5 hours from room temperature to 47.5°C or above</li><li>with air temperature held at 47.5°C or above for a minimum of 1.5 hours</li><li>with all fruit within the chamber maintaining a core temperature of 47°C or above for a minimum of 20 minutes.</li></ul> Once the treatment is complete, the fruit may be cooled (e.g. by hydro cooling).													
<i>Bactrocera facialis</i> <i>Bactrocera kirki</i> <i>Bactrocera melanotus</i> <i>Bactrocera passiflorae</i> <i>Bactrocera xanthodes</i>	High Temperature Forced Air	Exposure in a forced air chamber: <ul style="list-style-type: none"><li>at a minimum of 60% relative humidity</li><li>with air temperature increasing over a minimum of 3.5 hours from room temperature to 47.7°C or above</li><li>with air temperature held at 47.7°C or above for a minimum of 1.5 hours</li><li>with all fruit within the chamber maintaining a core temperature of 47.2°C or above for a minimum of 20 minutes.</li></ul> Once the treatment is complete, the fruit may be cooled (e.g. by hydro cooling).													
<i>Anastrepha fraterculus</i> <i>Anastrepha obliqua</i> <i>Anastrepha serpentina</i> <i>Anastrepha striata</i> <i>Ceratitidis capitata</i>	Hot Water Dip	Fruit submerged in water at a temperature of 46.1°C or above, depending on weight. <table><tr><th>Weight, grams</th><th>Time, minutes</th></tr><tr><td>≤ 425</td><td>75</td></tr><tr><td>426-650</td><td>90</td></tr></table>	Weight, grams	Time, minutes	≤ 425	75	426-650	90							
Weight, grams	Time, minutes														
≤ 425	75														
426-650	90														
Fruit flies of economic importance	Hot Water Dip	Dipped in hot water (46.1°C) for 65-90 minutes, depending on variety, shape and weight. <table><tr><th>Variety/Shape</th><th>Weight, grams</th><th>Time, minutes</th></tr><tr><td rowspan="2">Flat, elongated (e.g. "Frances", "Carrot" and "Zill")</td><td>&lt; 375</td><td>65</td></tr><tr><td>375 to 570</td><td>75</td></tr><tr><td rowspan="2">Rounded (e.g. "Tommy Atkins", "Kent", "Hayden" and "Keitt")</td><td>&lt; 500</td><td>75</td></tr><tr><td>500 to 700</td><td>90</td></tr></table>	Variety/Shape	Weight, grams	Time, minutes	Flat, elongated (e.g. "Frances", "Carrot" and "Zill")	< 375	65	375 to 570	75	Rounded (e.g. "Tommy Atkins", "Kent", "Hayden" and "Keitt")	< 500	75	500 to 700	90
Variety/Shape	Weight, grams	Time, minutes													
Flat, elongated (e.g. "Frances", "Carrot" and "Zill")	< 375	65													
	375 to 570	75													
Rounded (e.g. "Tommy Atkins", "Kent", "Hayden" and "Keitt")	< 500	75													
	500 to 700	90													
<i>Bactrocera cucurbitae</i> <i>Bactrocera philippinensis</i>	Vapour Heat Treatment	Exposure in a vapour heat chamber: <ul style="list-style-type: none"><li>at a minimum of 95% relative humidity</li><li>with air temperature increasing over a minimum of 3.5 hours from room temperature to 46.5°C or above</li></ul>													

Pest	Type of Measure	Treatment
		<ul style="list-style-type: none"> <li>with air temperature held at 46.5°C or above for a minimum of 1.5 hours</li> <li>with all fruit within the chamber maintaining a core temperature of 46°C or above for a minimum of 10 minutes.</li> </ul> <p>Once the treatment is complete, the fruit may be cooled (e.g. by hydro cooling).</p>
<i>Bactrocera carambolae</i> <i>Bactrocera correcta</i> <i>Bactrocera curcurbitae</i> <i>Bactrocera dorsalis</i> <i>Bactrocera tau</i> <i>Bactrocera tuberculata</i> <i>Bactrocera zonata</i>	Vapour Heat Treatment	<p>Exposure in a vapour heat chamber:</p> <ul style="list-style-type: none"> <li>at a minimum of 95% relative humidity</li> <li>with air temperature increasing over a minimum of 3.5 hours from room temperature to 47.5°C or above</li> <li>with air temperature held at 47.5°C or above for a minimum of 1.5 hours</li> <li>with all fruit within the chamber maintaining a core temperature of 46.5°C or above for a minimum of 30 minutes.</li> </ul> <p>OR</p> <p>with all fruit within the chamber maintaining a core temperature of 47°C or above for a minimum of 20 minutes.</p> <p>Once the treatment is complete, the fruit may be cooled (e.g. by hydro cooling).</p>
<i>Bactrocera caryeae</i> <i>Bactrocera correcta</i> <i>Bactrocera cucurbitae</i> <i>Bactrocera diversa</i> <i>Bactrocera dorsalis</i> <i>Bactrocera tau</i> <i>Bactrocera zonata</i>	Vapour Heat Treatment	<p>Exposure in a vapour heat chamber:</p> <ul style="list-style-type: none"> <li>at a minimum of 95% relative humidity</li> <li>with air temperature increasing over a minimum of 3.5 hours from room temperature to 48.5°C or above</li> <li>with air temperature held at 48.5°C or above for a minimum of 1.5 hours</li> <li>with all fruit within the chamber maintaining a core temperature of 48°C or above for a minimum of 20 minutes.</li> </ul> <p>Once the treatment is complete, the fruit may be cooled (e.g. by hydro cooling).</p>

- (4) Detailed activities and processes that relate to the measure(s) must be outlined in the **Export Plan** and approved by a **CTO**.

#### 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 mango** as and when they are identified.
- MPI will audit the management of **pest free areas** for compliance with **ISPM 4**. *Requirements for the establishment of pest free areas* and, if applicable, **ISPM 26**. *Establishment of pest free areas for fruit flies (Tephritidae)*.
- ISPM 42**. *Requirements for the use of temperature treatments as phytosanitary measures* sets the requirements for the application of various temperatures as a **treatment**. Temperature **treatment** facilities are usually approved by the exporting country's **NPPO** and are subject to audit by MPI.
- During the transitional period identified in 1.5 (2), the requirements for an **Export Plan** can be met by BQAs, OAPs, or other approved government to government arrangements.

## 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 mango** fruit.
- (2) The **NPPO** of the exporting country must:
  - a) sample each homogeneous grower **lot** of **fresh mango**. 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 *Basic Measures, Targeted Measures* and *MPI-Specified Measures* have been applied as outlined in Part 2 *Specific Requirements*;
  - d) reconcile that the number of packages presented for **inspection** is consistent with documentation;
  - e) verify that traceability labelling is complete; and
  - f) 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 mango** (*Mangifera indica*).
  - c) Full details of any phytosanitary **treatments** applied to **fresh mango** 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 etc;
  - d) The following certifying statement, or a variation that is compliant with **ISPM 12. Phytosanitary certificates** and has been approved by a **CTO**:
    - i) “*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 mango** is stored in another country **in transit** to New Zealand or 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

- An example of the **additional declaration** 3.3 (1) (b) is as follows: This consignment was irradiated for *Bactrocera cucumis*.

### 3.4 Transitional arrangements – Additional declarations

- (1) Table 2 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).

**Table 2: Additional declarations relevant to the exporting country.**

Country	Additional declaration
Australia	The mangoes in this consignment have been treated in accordance with Appendix 12 of the Bilateral Quarantine Arrangement between MPI and AQIS.
Cook Islands	The mangoes in this consignment have been treated in accordance with Appendix 2 of the Arrangement between the New Zealand Ministry for Primary Industries and the Cook Islands Ministry of Agriculture concerning the access of host material of fruit fly species of economic significance into New Zealand from the Cook Islands.
Ecuador	The mangoes in this consignment have:  (a) undergone appropriate pest control activities that are effective against: <i>Anastrepha distincta</i> <i>Aleurocanthus woglumi</i>  <b>OR</b>

Country	Additional declaration
	<p>been sourced from an area free (verified by an official detection survey) from: <i>Anastrepha distincta</i> <i>Aleurocanthus woglumi</i></p> <p><b>AND</b></p> <p>(b) been treated in accordance with Appendix 3 of the Arrangement between the New Zealand Ministry for Primary Industries and the Ecuador Ministerio de Agricultura Y Ganadería concerning the access of host material of fruit fly species of economic significance into New Zealand from Ecuador.</p>
Fiji	The mangoes in this consignment have been treated in accordance with the Appendix 4 of the Arrangement between the New Zealand Ministry for Primary Industries and the Fiji Ministry of Agriculture, Fisheries and Forests, concerning the access of host material of fruit fly species of economic significance into New Zealand from Fiji.
India	The mangoes in this consignment have been produced in accordance with terms of, and treated as per section 4.1 of, the Official Assurance Programme between MPI and the Directorate of Plant Protection, Quarantine & Storage (PPQS), Ministry of Agriculture of India.
Mexico	<p>The mangoes in this consignment have:</p> <p>(a) undergone appropriate pest control activities that are effective against: <i>Aleurocanthus woglumi</i> <i>Anastrepha distincta</i></p> <p><b>OR</b></p> <p>been sourced from an area free (verified by an official detection survey) from the following: <i>Aleurocanthus woglumi</i> <i>Anastrepha distincta</i></p> <p><b>AND</b></p> <p>(b) been treated in accordance with the Appendix 2 of the Arrangement between the New Zealand Ministry for Primary Industries and the Mexico Secretaría de Agricultura y Desarrollo Rural, concerning the access of host material of fruit fly species of economic significance into New Zealand from Mexico.</p> <p><b>OR</b></p> <p><b>Pest free area for fruit flies</b> been treated in accordance with the Appendix 6 of the Arrangement between the New Zealand Ministry for Primary Industries and the Mexico Secretaría de Agricultura y Desarrollo Rural, concerning the access of host material of fruit fly species of economic significance into New Zealand from Mexico.</p>
New Caledonia	The mangoes in this consignment have been treated in accordance with the Appendix 4 of the Arrangement between the New Zealand Ministry for Primary Industries and the New Caledonia Direction de l'Agriculture et de la Forêt, concerning the access of host material of fruit fly species of economic significance into New Zealand from New Caledonia.
Peru	<p>The mangoes in this consignment have:</p> <p>(a) undergone appropriate pest control activities that are effective against <i>Anastrepha distincta</i>.</p> <p><b>OR</b></p>



Country	Additional declaration
	<p>been sourced from an area free (verified by an official detection survey) from <i>Anastrepha distincta</i>.</p> <p><b>AND</b></p> <p>(b) been treated in accordance with Appendix 2 of the Arrangement between the New Zealand Ministry for Primary Industries and the Peru Ministerio de Agricultura [Servicio Nacional de Sanidad Agaria]", concerning the access of host material of fruit fly species of economic significance into New Zealand from Peru.</p>
Philippines	<p>The mangoes in this consignment have:</p> <p>(a) undergone appropriate pest control activities that are effective against <i>Aleurocanthus woglumi</i>.</p> <p><b>AND</b></p> <p>(b) been treated in accordance with Appendix 4 of the Arrangement between the New Zealand Ministry for Primary Industries and the Philippines Department of Agriculture, concerning the access of host material of fruit fly species of economic significance into New Zealand from the Philippines.</p>
Taiwan	<p>The mangoes in this consignment have:</p> <p>(a) undergone appropriate pest control activities that are effective against those regulated high impact pests specified by MPI.</p> <p><b>OR</b></p> <p>been sourced from an area free from those regulated high impact pests specified by MPI.</p> <p><b>AND</b></p> <p>(b) been treated in accordance with Appendix 2 of the Bilateral Quarantine Arrangement between NZCIO and TECO.</p>
Thailand	<p>The mangoes in this consignment have:</p> <p>(a) undergone appropriate pest control activities that are effective against <i>Aleurocanthus woglumi</i>.</p> <p><b>OR</b></p> <p>been sourced from an area free (verified by an official detection survey) from <i>Aleurocanthus woglumi</i>.</p> <p><b>AND</b></p> <p>(b) been treated in accordance with Appendix 2 of the Arrangement between the New Zealand Ministry for Primary Industries and the Thailand Department of Agriculture concerning the access of host material of fruit fly species of economic significance into New Zealand from Thailand.</p>
Tonga	<p>The mangoes in this consignment have been treated in accordance with Appendix 2 of the Arrangement between the New Zealand Ministry for Primary Industries and the Tonga Ministry of Agriculture and Forestry, concerning the access of host material of fruit fly species of economic significance into New Zealand from Tonga.</p>
United State of America (State of California)	<p>The mangoes in this consignment have been treated in accordance with Appendix 1(b) of the Arrangement between the New Zealand Ministry for Primary Industries and the United States Department of Agriculture, Animal and Plant Health Inspection Service concerning</p>

Country	Additional declaration
	the access of host material of fruit fly species of economic significance into New Zealand from the United States of America.
Viet Nam	The mangoes in this consignment have been produced in accordance with terms of, and treated as per Appendix 3 of the Official Assurance Programme between MPI and the Ministry of Agriculture and Rural Development (MARD) of Viet Nam.

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## Schedule 1: Definitions

Definitions have the same meaning as defined by **FAO, 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**

### **Arrives in New Zealand**

Definition as per **the Act**.

### **Biosecurity 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-for-imported-commodities/>

### **Commodity**

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

### **Contamination**

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

### **Consignment**

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

### **Control**

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

### **Chief Technical Officer (CTO)**

Definition as per **the Act**.

### **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.

### **Entry**

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

### **Efficacy**

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

### **Equivalence/equivalent**

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

### **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**

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*

**Good Agricultural Practice (GAP)**

Definition as per **FAO**, 2003. *Development of a Framework for Good Agricultural Practices*. Retrieved from  
FAO: <http://www.fao.org/3/y8704e/y8704e.htm>

**Heat treatment**

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

**High Impact Pest**

**Regulated pests** that are considered a greater risk and therefore require a higher level of measure e.g. *Targeted Measures*.

**Import/imported**

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/infested**

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

**Inspection/inspect**

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:  
<https://www.ippc.int/en/core-activities/standards-setting/ispm/>.

**Irradiation**

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

**Lot**

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

**Monitoring**

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

**National Plant Protection Organisation (NPPO)**

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

**Official/officially**

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

**Official detection survey**

An **official** process which collects and records data on **pest** occurrence or absence by **survey**, **monitoring** or other procedure.

**Organism**

Definition as per **the Act**.

**Packaging/packaged**

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 for the purpose of **pest** control including **phytosanitary measures** such as those listed in Part 2.2 *Targeted Measures* and Part 2.3 *MPI-Specified Measures*, e.g. **pest free area**, in-field **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*

**Pest risk management**

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

**Phytosanitary certification/phytosanitary certificate**

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*

**Plants**

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

**Place of production**

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 pests**

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**.

**Survey**

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

**Seed**

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/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**.