# Fresh Choko (Sechium edule) for Human Consumption

Consultation

CHOKO-IHS.FP

Issued under the Biosecurity Act 1993

#### TITLE

Import Health Standard: Fresh Choko (Sechium edule) for Human Consumption

#### COMMENCEMENT

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

#### **ISSUING AUTHORITY**

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

Dated at Wellington,

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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 choko** 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 choko** into New Zealand (or who has an interest in **importing fresh choko**).

# Why is this important?

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

Choko, Sechium edule, New Caledonia

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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**.

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# Part 1: General Requirements

# 1.1 Application

(1) This **Import Health Standard (IHS)** applies to **fresh choko** fruit (*Sechium edule*) **imported** for human consumption (**'fresh choko'**).

#### Guidance

- Fresh choko may include a stalk.
- 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 "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.
- 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 Plant Products 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.
  - i) 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.

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#### 1.3 Definitions

(1) Definitions are listed in Schedule 1.

# 1.4 General requirements for fresh choko

- (1) **Importers** may only **import fresh choko** 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 choko 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 choko** may receive a **biosecurity clearance** if the **fresh choko** meets the requirements of this **IHS**.

#### Guidance

- Countries that meet the requirements in 1.4 (1) and are approved to trade **fresh choko** are listed in an **online pest database**.
- A list of **pests** associated with **fresh choko** can be found in the **online pest database**.
- The full list of regulated and non-regulated pests for New Zealand can be found in <u>BORIC</u> 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 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 choko 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) Liriomyza sativae
- (2) At least one of the following *Targeted Measures* must be applied in relation to **fresh choko** 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 choko** 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 choko 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) <u>In-field Pest Controls</u>: 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) **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.

# 2.3 MPI-Specified Measures

- (1) The following **pest(s)** require MPI-Specified Measures:
  - a) Bactrocera curvipennis
  - b) Bactrocera psidii
  - c) Bactrocera tryoni
  - d) Bactrocera umbrosa
- (2) At least one of the following *MPI-Specified Measures* must be applied in relation to **fresh choko** 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 choko** is considered a non-host for target fruit fly species based on the condition of the **commodity** based on cultivar/variety and 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
choko as and when they are identified.

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# 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 choko** fruit.
- (2) The **NPPO** of the exporting country must:
  - a) sample each homogeneous grower **lot** of **fresh choko**. 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:
  - 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 choko** (Sechium edule).
  - c) Full details of any phytosanitary treatments applied to fresh choko 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**:
    - 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**:
  - the phytosanitary certificate must state "Treated in transit" in the "Disinfestation and / or Disinfection Treatment" section of the phytosanitary certificate; and

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- b) the **importer** must provide evidence of the **in transit treatment** record (including temperature and duration).
- (4) If a consignment of fresh choko 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.

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## **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-for-imported-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

#### **Impor**

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.

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#### 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: https://www.ippc.int/en/core-activities/standards-setting/ispms/.

#### **IPPC**

International Plant Protection Convention.

#### Irradiation

Definition as per ISPM 5. Glossary of phytosanitary terms

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#### 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.

#### Monitorina

Definition as per ISPM 5. Glossary of phytosanitary terms

#### **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: <a href="https://www.mpi.govt.nz/importing/food/fresh-fruit-and-vegetables/requirements/epest">https://www.mpi.govt.nz/importing/food/fresh-fruit-and-vegetables/requirements/epest</a>

#### 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

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#### 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

#### Re-export (consignment)

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.

#### 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: 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).

Table 1: Additional declarations relevant to the exporting country.

Country	Additional declaration
New Caledonia	The chokos in this consignment have:
	(a) undergone appropriate pest control activities that are effective against Liriomyza sativae
	AND
	(b) been treated in accordance with the Appendix 3 of the Arrangement between the New Zealand Ministry for Primary Industries and the New Caledonia Direction De L'Agriculture et de la Fôret, concerning the access of host material of fruit fly species of economic significance into New Zealand from New Caledonia.

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