Ministry for Primary Industries
Manatū Ahu Matua

Import Health Standard

Seeds for Sowing

155.02.05

22 July 2020

Issued under the Biosecurity Act 1993

New Zealand Government

TITLE

Import Health Standard: Seeds for Sowing

COMMENCEMENT

This Import Health Standard comes into force on the date of issue, except for the import requirements to manage the following viroids:

- *Tomato chlorotic dwarf viroid* on the *Petunia* specific requirements (section 2.58.1); and
- *Columnea latent viroid*, *Tomato apical stunt viroid* and *Tomato plant macho viroid* on the *Solanum lycopersicum* specific requirements (section 2.73.1).

The requirements to manage the viroids mentioned above come into effect on 22 August 2020.

REVOCATION

This import health standard revokes and replaces Import Health Standard 155.02.05: Seeds for Sowing, dated 16th day of June 2020.

ISSUING AUTHORITY

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

Dated at Wellington this 22nd day of July 2020

Director, Plant & Pathways
Ministry for Primary Industries
(acting under delegated authority of the Director-General)

Contact for further information
Ministry for Primary Industries (MPI)
Regulation & Assurance Branch
Plant Imports
PO Box 2526
Wellington 6140
Email: plantimports@mpi.govt.nz

2.14 *Capsicum*

The following requirements only apply to species in the Plant Biosecurity Index listed under Import Specifications for Seed as "see 155.02.05 under *Capsicum*".

Approved countries: All

Quarantine pests: *Pepper chat fruit viroid; Potato spindle tuber viroid, Tomato brown rugose fruit virus, Tomato mottle mosaic virus*

Import permit: Not required

PEQ: Not required

Approved treatment: Not required

Phytosanitary certificate: Required

2.14.1 Phytosanitary certificate - Additional declaration

(1) If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the certifying statement as per Part 1.5.2 of this import health standard and also the following additional declaration (s) to the phytosanitary certificate:

"The [*Capsicum annuum; C. baccatum; C. cardenasii; C. chinense; C. eximium; C. frutescens; C. microcarpum; C. pendulum; C. pubescens*] seeds for sowing have been

a) For *Potato spindle tuber viroid* (PSTVd):

i) sourced from (country name) where *Potato spindle tuber viroid* is not known to occur."

OR

ii) sourced from a 'pest free place of production', where parent plants were tested according to a NPPO approved methodology and found free from *Potato spindle tuber viroid"*

OR

iii) officially tested, on a representative sample of a minimum of 3000 seeds officially drawn according to the ISTA or AOSA sampling methodology using an approved PCR NPPO testing method, and found to be free from *Potato spindle tuber viroid*"

AND

b) For *Pepper chat fruit viroid* (PCFVd):

i) sourced from a 'pest free area' free from *Pepper chat fruit viroid*"

OR

ii) *Pepper chat fruit viroid* (PCFVd) is absent/not known to occur in _____(name of country)

OR

iii) sourced from a 'pest free place of production' free from *Pepper chat fruit viroid"*

OR

iv) officially tested, on a representative sample of a minimum of 3000 seeds officially drawn according to the ISTA or AOSA sampling methodology using an approved PCR NPPO testing method, and found to be free from *Pepper chat fruit viroid*"

AND

c) For *Tomato brown rugose fruit virus* (ToBRFV):

i) sourced from 'pest free area', free from *Tomato brown rugose fruit virus*".

OR

ii) sourced from a 'pest free place of production' free from *Tomato brown rugose fruit virus*".

OR

iii) officially tested, on a representative sample of a minimum of 3000 seeds officially drawn according to the ISTA or AOSA sampling methodology, using an NPPO-approved ELISA or NPPO-approved PCR testing method and found free from *Tomato brown rugose fruit virus*".

AND

d) For *Tomato mottle mosaic virus* (ToMMV):

i) sourced from a 'pest free area' free from *Tomato mottle mosaic virus*"

OR

ii) sourced from a 'pest free place of production' free from *Tomato mottle mosaic virus"*

OR

iii) officially tested, on a representative sample of a minimum of 3000 seeds officially drawn according to the ISTA or AOSA sampling methodology, using an NPPO-approved ELISA or NPPO-approved PCR testing method, and found free from *Tomato mottle mosaic virus*"

2.14.2 Testing requirements

(1) Testing is required to be completed offshore prior to export, or on arrival in New Zealand.

(2) Pre-export testing for each seed lot must be endorsed by the NPPO on the phytosanitary certificate, or if tested on arrival in New Zealand, must be completed by an MPI-approved testing laboratory.

(3) Testing on-shore will be performed using an MPI-approved testing method.

Guidance

- The ISHI-Veg local lesion bioassay for *Tomato brown rugose fruit virus* and *Tomato mottle mosaic virus* is not accepted as a valid test by MPI.
- Additional declarations on phytosanitary certificates to meet the offshore testing requirements for *Tomato brown rugose fruit virus* and *Tomato mottle mosaic virus* in Import Health Standard 155.02.05: *Seeds for sowing* should be based only on a negative result obtained in an NPPO-approved ELISA or NPPO-approved PCR test and not on results from a bioassay.

2.73 *Solanum lycopersicum*

The following requirements only apply to species in the Plant Biosecurity Index listed under Import Specifications for Seed as "see 155.02.05 under *Solanum lycopersicum*."

Approved countries: All

Quarantine pests: *Columnea latent viroid*, *Pepino mosaic virus, Potato spindle tuber viroid*, *Tomato chlorotic dwarf viroid*, *Tomato brown rugose fruit virus, Tomato apical stunt viroid, Tomato plant macho viroid, Tomato mottle mosaic virus*

Import permit: Not required

PEQ: Not required

Approved treatment: Not required

Phytosanitary certificate: Required

2.73.1 Phytosanitary certificate - Additional declarations

(1) If satisfied that the pre-shipment activities have been undertaken, the exporting country NPPO must confirm this by providing the certifying statement as per Part 1.5.2 of this import health standard and also the following additional declaration (s) to the phytosanitary certificate:

a) "The *Solanum lycopersicum* seeds have been prepared to industry standards with thorough cleaning to remove all traces of flesh from the seeds".

AND

b) "The *Solanum lycopersicum* seeds have been:

i) sourced from a 'pest free area' free from *Pepino mosaic virus*.

OR

ii) sourced from a pest free place of production' free from *Pepino mosaic virus*.

OR

iii) officially tested, on a representative sample, and using appropriate methods, and found to be free from *Pepino mosaic virus"*.

AND

c) " The *Solanum lycopersicum* seeds have been:

i) produced in a 'pest free area' free from *Columnea latent viroid*, *Potato spindle tuber viroid, Tomato apical stunt viroid*, *Tomato chlorotic dwarf viroid*, and *Tomato planta macho viroid*.

OR

ii) produced in a 'pest free place of production' free from *Columnea latent viroid*, *Potato spindle tuber viroid, Tomato apical stunt viroid*, *Tomato chlorotic dwarf viroid,* and *Tomato planta macho viroid.*

OR

iii) produced in a 'pest free place of production' where parent plants have been tested according to a NPPO approved methodology and found free from *Columnea latent viroid*, *Potato spindle tuber viroid*, *Tomato apical stunt viroid*, *Tomato chlorotic dwarf viroid*, and *Tomato planta macho viroid*.

OR

iv) officially tested, on a representative sample of a minimum of 3000 seeds officially drawn according to the ISTA or AOSA sampling methodology using a NPPO approved PCR testing method, and found to be free from *Columnea latent viroid*, *Potato spindle tuber viroid*, *Tomato apical stunt viroid*, *Tomato chlorotic dwarf viroid*, and *Tomato planta macho viroid"*.

AND

d) " The *Solanum lycopersicum* seeds have been:

i) sourced from a 'pest free area', free from *Tomato brown rugose fruit virus*

OR

ii) sourced from a 'pest free place of production' free from *Tomato brown rugose fruit virus*.

OR

iii) officially tested, on a representative sample of a minimum of 3000 seeds officially drawn according to the ISTA or AOSA sampling methodology, using an NPPO-approved ELISA or NPPO-approved PCR testing method and found free from *Tomato brown rugose fruit virus*".

AND

e) " The *Solanum lycopersicum* seeds have been:

i) sourced from a 'pest free area', free from *Tomato mottle mosaic virus*

OR

ii) sourced from a 'pest free place of production' free from *Tomato mottle mosaic virus*.

OR

iii) officially tested, on a representative sample of a minimum of 3000 seeds officially drawn according to the ISTA or AOSA sampling methodology, using an NPPO-approved ELISA or NPPO-approved PCR testing method and found free from *Tomato mottle mosaic virus*".

2.73.2 Testing requirements

(1) Testing is required to be completed offshore prior to export, or on arrival in New Zealand.

(2) Pre-export testing for each seed lot must be endorsed by the NPPO on the phytosanitary certificate, or if tested on arrival in New Zealand, must be completed by an MPI-approved testing laboratory.

(3) Testing on-shore will be performed using an MPI-approved testing method.

Guidance

- The ISHI-Veg local lesion bioassay for *Tomato brown rugose fruit virus* and *Tomato mottle mosaic virus* is not accepted as a valid test by MPI.
- Additional declarations on phytosanitary certificates to meet the offshore testing requirements for *Tomato brown rugose fruit virus* and *Tomato mottle mosaic virus* in Import Health Standard 155.02.05: *Seeds for sowing* should be based only on a negative result obtained in an NPPO-approved ELISA or NPPO-approved PCR test and not on results from a bioassay.
- For tomato seed lots tested for quarantine pests onshore in New Zealand at an MPI-approved testing laboratory, additional declarations by the exporting NPPO are not required to be endorsed on the phytosanitary certificate.

- Measures for *Columnea latent viroid*, *Tomato apical stunt viroid* and *Tomato planta macho viroid* will come into force on 22 August 2020