

Report of a Pest Risk Management:

This summary presents the conclusions of the pest risk management which has been conducted on the pest, according to EPPO Standard PP 5/4(1) Pest Risk Management Scheme.

Pest: **Chrysanthemum stem necrosis virus**
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Date: Panel on Phytosanitary Measures
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IDENTIFICATION OF THE PATHWAYS**1 Pathways studied in the pest risk management****PATHWAY 1:** Natural spread

The virus cannot spread on its own. The potential of spread with viruliferous thrips has been identified and is studied

PATHWAY 2: Cuttings of Chrysanthemum originating from Brazil (and possibly other South American countries)

PATHWAY 3: Seedlings and plants of tomato originating from Brazil (and possibly other South American countries)
 It has been separated from pathway n° 2 as plants and seedling are produced from seeds and the virus is not seed-transmitted.

PATHWAY 4: Pot plants of Chrysanthemum originating from Brazil (and possibly other South American countries)

PATHWAY 5: Viruliferous vectors (*F occidentalis*, *F schultzei*) on plants for planting, other than the host plants, originating from Brazil (and possibly other South American countries)

2 Other pathways

Cut flowers have not been identified as a pathway by the Assessor in the pest risk assessment. The group did not consider this case. It can nevertheless be noted that this pathway may present a low risk.

IDENTIFICATION OF POSSIBLE MEASURES FOR PATHWAYS ¹**Pathway 1: Natural spread**

As the pest is only present in Brazil and possibly in other countries in South America, natural spread would only follow a first introduction through another pathway

Pathway 2: Cuttings of Chrysanthemum originating from Brazil (and possibly other South American countries)

Measures related to consignments:

No measures related to consignments have been identified

Measures related to the crop or to places of production

The following measures have been identified:

- production in protected conditions for Thrips exclusion but should be combined with production deriving from healthy planting material.
- production deriving from healthy planting material but to be efficient should be combined with production in protected conditions for Thrips exclusion-
- pest-free place of production
- pest-free area

Pathway 3: Seedlings and plants of tomato originating from Brazil (and possibly other South American countries)

Measures related to consignments:

No measures related to consignments have been identified

¹in this section elements considered when answering questions number 31 to 37 should be included for each pathway (possible combination of measures, measures not considered as cost effective....)

Measures related to the crop or to places of production

The following measures have been identified:

- production in protected conditions for Thrips exclusion
- pest-free place of production
- pest-free area

Pathway 4: Pot plants of Chrysanthemum originating from Brazil (and possibly other South American countries)

Measures related to consignments:

No measures related to consignments have been identified

Measures related to the crop or to places of production

The following measures have been identified:

- production in protected conditions for Thrips exclusion but should be combined with production deriving from healthy planting material.
- production deriving from healthy planting material but to be efficient should be combined with production in protected conditions for Thrips exclusion
- pest-free place of production
- pest-free area
- for the growing media, plants grown following EPPO phytosanitary procedure n° 54 for growing plants grown in growing media prior to export.

Pathway 5: Viruliferous vectors (*F occidentalis*, *F schultzei*) on plants for planting, other than CNSV host plants, originating from Brazil (and possibly other South American countries)

Measures related to consignments:

Targeted inspection

Treatment of the consignment

Measures related to the crop or to places of production

The following measures have been identified:

Treatment of the crop against thrips and targeted inspection

Plants grown under protected condition for thrips exclusion

Pest-free place of production for the vectors

Pest-free area for the vectors

EVALUATION OF THE MEASURES IDENTIFIED IN RELATION TO THE RISKS PRESENTED BY THE PATHWAYS

CONCLUSION: SELECTION OF MEASURES

Plants for planting

PC and, if appropriate RC

Cuttings of Chrysanthemum originating from countries where Chrysanthemum stem necrosis virus occurs

PC and, if appropriate RC
Area freedom for Chrysanthemum stem necrosis virus

or

Place of production free from Chrysanthemum stem necrosis virus

or

Origin from material free from Chrysanthemum stem necrosis virus and grown under protected conditions for Thrips exclusion

Seedlings and plants of tomato originating from countries where Chrysanthemum stem necrosis virus occurs

PC and, if appropriate RC
Area freedom for Chrysanthemum stem necrosis virus
or
Place of production free from Chrysanthemum stem necrosis virus
or
grown under protected conditions for Thrips exclusion as defined in the EPPO phytosanitary procedure N° (to be developed)

Pot plants of Chrysanthemum originating from countries where Chrysanthemum stem necrosis virus occurs

PC and, if appropriate RC
Area freedom for Chrysanthemum stem necrosis virus
or
Place of production free from Chrysanthemum stem necrosis virus
or
Origin from material free from Chrysanthemum stem necrosis virus and grown under protected conditions for Thrips exclusion as defined in the EPPO phytosanitary procedure N° (to be developed) and grown following EPPO phytosanitary procedure n°54 for "growing plants in growing medium prior to export".

Plants for planting, other than the host plants of Chrysanthemum stem necrosis virus, from countries where Chrysanthemum stem necrosis virus occurs

PC and, if appropriate RC
Area freedom for *F occidentalis* and *F schultzei*
or
Place of production free from *F occidentalis* and *F schultzei*
or
Grown under protected conditions for Thrips exclusion as defined in the EPPO phytosanitary procedure N° (to be developed)
or
treatment of the consignment following EPPO phytosanitary procedure N° (to be developed)
or
Treatment of the crop against *Thysanoptera* and inspection of the consignment following EPPO phytosanitary procedure N° (to be developed) [This means treatment of the crop?]

APPENDIX

For each possible category of measures in the pest risk management scheme, this table could identify specifically the ones which were considered suitable ("possible" in bold) and the ones which were not suitable (with a brief justification)

The Panel should decide whether such a summary table is useful, and whether it belongs to the pest risk management, or to the report of the pest risk management

CATEGORIES OF MEASURES	Pathway n° 2	Pathway n°3	Pathway n° 4	Pathway n° 5
Detection of the pest in consignments by inspection or testing				
general visual inspection	not suitable	not suitable	not suitable	not suitable
targeted visual inspection	not suitable	not suitable	not suitable	yes
specified testing	yes	yes	yes	no
import under special licence/permit and post-entry quarantine			no	no
Removal of the pest from the consignment by treatment or other phytosanitary procedures				
specified treatment	not suitable	not suitable	not suitable	yes
removal of parts of plants from the consignment	not relevant	not relevant	not relevant	not relevant
Prevention of establishment by limiting the use of the consignment				
import under special licence/permit and specified restrictions	no	no	no	no
Prevention of infestation of the commodity				
specified treatment and/or period of treatment (crop)	no	no	no	yes
consignment should be composed of specified cultivars	no	no	no	no
specified protected cultivation	Thrips exclusion	Thrips exclusion	Thrips exclusion	Thrips exclusion
specified age of plant, growth stage or time of year of harvest	not relevant	not relevant	not relevant	not relevant
specific handling/packing methods	not relevant	not relevant	not relevant	not relevant
certification scheme	healthy planting material	not relevant	healthy planting material	not relevant
Establishment and maintenance of pest freedom of a crop, place of production or area				
pest freedom of the crop	not sufficient (only if absence of the vector)	not sufficient (only if absence of the vector)	not sufficient (only if absence of the vector)	not sufficient for Thrips
pest-free place of production	yes	yes	yes	yes
pest-free place of production and appropriate buffer zone	yes	yes	yes	yes
pest-free area	yes	yes	yes	yes
Prohibition	no	no	no	no
Internal measures	no	no	no	no
surveillance and/or eradication campaign	no	no	no	no