

Report of a Pest Risk Management: *Tomato chlorosis crinivirus*
Revised to align it to the PRM developed for TICV (07-13587)

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:	<i>Tomato chlorosis crinivirus</i> (ToCV)
Assessor:	Sub-group of the EPPO Panel on Phytosanitary Measures: N. Horn, C. Perez, E. Pfeilstetter, S. Zioni. Further revised by the EPPO Panel on Phytosanitary Measures
Date:	First drafted on 2004-03-11. Further revised in 2007-03.

IDENTIFICATION OF THE PATHWAYS

1 Pathways studied in the pest risk management

Plants for planting (except seeds) *Lycopersicon esculentum* (tomato) were considered as the main pathway for ToCV. **Ranking of the pathway: high.**

2 Other pathways

Viruliferous whiteflies (*Bemisia tabaci*, *Trialeurodes vaporariorum*, *Trialeurodes abutilonea*) can be a pathway, although the risks associated with this pathway are difficult to assess. The group had no time to assess it. There was some disagreement about the ranking of this type of pathway, for some Panel members it was considered negligible, for other it was not negligible. Some countries have already measures in place targeting *B. tabaci*. This pathway was not considered further.

Tomato fruits were considered as a very unlikely pathway. **Ranking of the pathway: negligible.**

Seeds were not considered as a pathway (no seed transmission is reported for this type of virus). **Ranking of the pathway: non existent.**

IDENTIFICATION OF POSSIBLE MEASURES FOR PATHWAYS

Measures related to consignments:

None was identified, as it was considered that testing for ToCV on a routine basis was not available for the moment.

Measures related to the crop or to places of production

- Pest free production site for ToCV and exclusion measures for the vector *Bemisia tabaci*, *Trialeurodes vaporariorum*, *T. abutilonea*¹ (exclusion measures include preventive treatments and protected conditions such as insect-proof glasshouses to prevent further contaminations from viruliferous whiteflies).

- Pest-free place of production for ToCV and an appropriate buffer zone free from *Bemisia tabaci*, *Trialeurodes vaporariorum*, *T. abutilonea*.

¹ this species is absent in the EPPO region)

- Pest-free area for ToCV
- Pest-free area for *Bemisia tabaci*, *Trialeurodes vaporariorum*, *T. abutilonea*. The Panel considered that in areas where the vectors did not occur, it was not necessary to ask for ToCV freedom, because in areas which are free of vectors, there is only a theoretical chance that the virus is present.

Note:

Crop freedom for ToCV was not considered as a suitable option as there is no practical way of verifying the absence of the virus on the crop. It was assumed that in most cases, trade would concern young plants which may not have the time to express clear symptoms, and that no routine test was available.

The Panel pointed out the specific case of grafted tomatoes, and noted that requirements should apply to both parts of the finished plants (graft and rootstock). For example, it could happen that one part is grown in an infected place of production, and then grafted onto a healthy part grown in an place of production which is indeed free of the virus. The finished grafted plant (although infected) would seemingly come from place of production which is free.

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

CONCLUSION: SELECTION OF MEASURES

Plants for planting of tomato (except seeds) where ToCV and at least one of its vector occur (*Bemisia tabaci*, *Trialeurodes vaporariorum*, *T. abutilonea*)

PC and, if appropriate RC

Area freedom for ToCV

Area freedom for *Bemisia tabaci*, *Trialeurodes vaporariorum*, *T. abutilonea* and the plants for planting have been produced from plants for planting free from ToCV²

Pest-free production site for ToCV, and exclusion measures against *Bemisia tabaci*, *Trialeurodes vaporariorum*, *T. abutilonea* (protected conditions, screens, preventive treatments).

Place of production freedom for ToCV and appropriate buffer zone freedom for *Bemisia tabaci*, *Trialeurodes vaporariorum*, *T. abutilonea*

² The requirement " have been produced from plants for planting free from ToCV" applies for grafted plants.