

Assessment of a generic method for the detection of Begomoviruses (BegomoVal)



Tomato mottle virus (ToMoV) - <https://gis.epo.int/>

Funding

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Research consortium

ANSES (FR), AGES (AT), BPI (GR), CREA (IT), NVWA (NL), NIB (SI), SASA (GB), AGDIA (FR), Bejo (NL), CIP (PE)

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Goals

Due to the risk they pose, many of these Begomoviruses have already been regulated or added to the EPPO pest lists. Despite this, there is no generic test available for detection of a wide range of Begomovirus. A standard for TYLCV and ToMoV (EPPO PM7/50) already exists, but it was not evaluated for other Begomoviruses. This project focuses on this evaluation based on reliable validation data and calculation of performance criteria according to EPPO standards (7/98).

Objectives

The consortium will:

- Select a restricted list of targets and non-targets viruses, and select PCR tests to be evaluated against the selected viruses
- Collect and propagate the plant material to be tested
- Organize an interlaboratory test performance study

Key outputs and results

The main expected result of this project is to get reliable validation data in order to propose a common test for the detection of the main regulated or threatening Begomoviruses and their associated strains.