

Countering quarantine viruses and viroids through cleaning and disinfection (DISVIR)



Funding

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Research consortium

CRA-W (BE), ILVO (BE), Fera (GB), Volcani (IL), IHPS (SI), APHIS (US), EPPO (Int), AHDB (GB)

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Goals

Cleaning and disinfection of tools and greenhouse surfaces are recommended for official control of a number of viruses. However, a limited number of products are available, and efficacy evaluation data of such products are not always publicly available or consistent. The aim of the project is to improve the management of selected viruses and viroids.

Objectives

The project consortium will:

- gather information on disinfectants and protocols for cleaning and disinfection (through literature review and exchange of knowledge among experts)
- validate cleaning and disinfection protocols for selected pests, such as tomato brown rugose fruit virus or potato spindle tuber viroid

The project will not focus on disinfection of soil and seeds. Instead, it should define optimal cleaning and disinfection of equipment and tools (including containers, trays, shoes, machineries), greenhouses surfaces (including irrigation systems) and the workers' skin.

The development of authorization dossiers for new disinfectants is not in the scope of the project.

Key outputs and results

The project will validate protocols for cleaning and disinfection against quarantine viruses and viroids.

Results of this project could be considered to revise e.g. EPPO Standard PM 10/1 *Disinfection procedures in potato production* and EPPO Standard PM 9/13 *Potato spindle tuber viroid on potato* and contribute to the development of new PM 10 Standards.