

# Development and validation of molecular tools for detection and identification of European Monilinia species (DIMO)



## Funding

Non-competitive funding mechanism. Each funder only pays for the participation of their own national researchers. Total funding € 155,000

## Research consortium

TR-GDAR, ES-INIA, IT-CRA, LT-MoA, F-DGAL, ES-IRTA

## Contact information

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## Goals

The project aims at developing early, accurate detection and identification of *M. fructicola* and *M. polystroma* for effective plant disease management

## Objectives

The objective of the project are:

- to implement a real-time PCR (qPCR) for *Monilinia/Monilia* spp. detection in symptomatic and symptomless plant material, and for conidial quantification of *Monilinia/Monilia* spp.
- to validate detection protocols combined with an automated DNA isolation method enabling quick and reliable diagnosis; and
- to developed a detection system based on qPCR combined with a staining dye that will allow differentiation between dead and viable conidia from different plant materials.

## Key outputs and results

The project will implement real-time PCR for the detection and quantification of pest in symptomatic and symptomless material