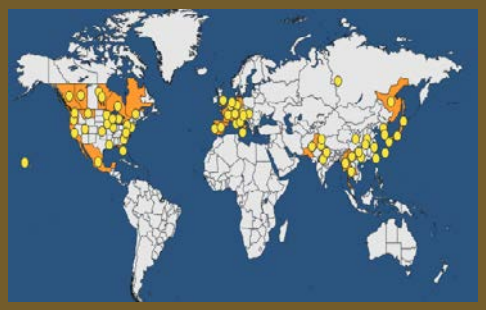
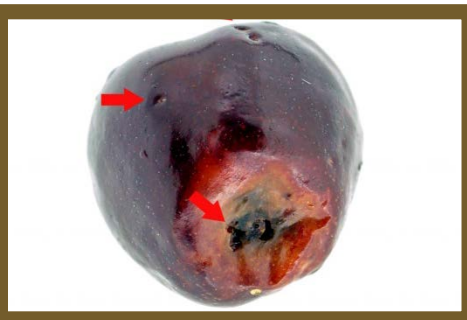
IPM strategies against *Drosophila suzukii* (IPMDROS)

07/2014-12/2016





Funding
Non-competitive funding mechanism. Each funder only pays for the participation of their own national researchers. Total funding € 130,000

Goals
The goal of the project is to participate to the development of IPM programs for the control of *D. suzukii* , that are of great importance to reduce the huge economic impact that this fly can potentially exert on European agriculture

Research consortium
ES-INIA; TR-GDAR, AT-AGES; IT-CRA; BE-ILVO

Objectives
Objectives are
•To improve of basic knowledge about the biology of the fly, including overwintering behaviour and effect of temperature on development, reproduction and population increase.
•To develop of effective trapping systems for population reduction
•To evaluate alternative methods for control, such as insect growth regulators and entomopathogenic microorganisms.
•To monitor surveys for early detection and development of quarantine measures and effective surveys of goods in global trade among countries

Contact information
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Key outputs and results
The expected results of the project are:
• A temperature based model including parameters such as mortality of immature stages, developmental rate of immature stages, reproduction, longevity of adults, life table parameters for the prediction of risk situations, possible new areas of colonization and number of generations per season to be implemented in an IPM approach for the control of *D. suzukii*.
• A basic data survey about the cold tolerance and overwintering strategies of European populations of *D. suzukii* to determine which European countries are at risk of *D. suzukii* establishment.
• Improved reliable and easy to handle trapping devices for monitoring and population reduction of *D. suzukii*.
• Evaluated selective insecticides with different mode of action (e.g. IGRs) and alternative plant protection products including entomopathogenic microorganisms for the control of *D. suzukii* to increase the available alternative control methods for IPM programs.
• Surveys and protocols for early detection of *D. suzukii* in non-invaded countries.