SAFECROP

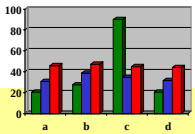
CENTRE FOR RESEARCH AND DEVELOPMENT OF CROP PROTECTION WITH LOW ENVIRONMENT AND CONSUMER HEALTH IMPACT

RESEARCH

SafeCrop encompasses three main activity sectors: pathogen control, insect control and risk assessment

It also includes socio-economical evaluations, informatic systems applied to agriculture, statistics, market analyses and ecotoxicology

RESEARCH TOPICS:



- **Reduction of chemical fungicide input on crops**
- **Implementation of disease control methods based on microorganisms, their metabolites or analogous and/or their integration with other non chemical methods**
- **Development of new effective and environmental friendly control techniques based on Insect Behavioural Regulators (IBRs) that could replace the traditional insecticides**
- **Use of IBRs in improving monitoring techniques necessary to time the treatments**
- **Large scale application of soft control strategies (BCAs, mating disruption, etc.)**

CROPS

Grapevine
Apple
Strawberry
Small fruits
Horticultural crops

Experimental trials in the six partner countries:

Greenhouses

Fields

Laboratory

- **Development of new molecular markers both for insects and for plant pathogens, in particular to obtain co-dominant highly informative PCR-based markers**
- **Establishment of high throughput automated routine analysis of organisms in order to reduce human handling in experiments**
- **Diagnosis, quantification and/or tracking of several organisms.**
- **Risk assessment, molecular tools and side effects of non chemical methods for control plant disease and insects**
- **Unwanted environmental and food contamination monitoring**
- **Long term ecological and economical impacts evaluation of large scale application of new techniques**

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