

Sustainable production of vegetable crops by promoting macro and micro organisms

Summary

An Operational Group has been set up to promote a technology-based pilot project in watermelon, cabbage and lettuce crops to increase its sustainability and to produce products with high added value improving:

- the biodiversity through the use of natural enemies of pests, pollinators and mycorrhizae
- the conservation biological control with insect plants and pollination with melliferous plants
- the management of fertilizers and reduction of pesticides, adjusting fertilizers and implementing integrated pest and disease management.

Objectives

The main objective of the proposal is to implement measures of sustainable production in vegetable crops, focusing on (1) Conservation Biological Control with insect plants, (2) conservation of honeybees in horticultural environments and (3) optimization of irrigation management in combination with mycorrhizae fungi to control root diseases. The project focuses on three crops of economic importance: watermelon, cabbage and lettuce.

Conclusions

The results will be:

1. Protocols for the management of insect pests in watermelon to promote biological control of aphids and mites
2. Protocols for the management of multifloral margins for the conservation of honeybees
3. Protocols for the management of insect pests in cabbage to promote the biological control of whitefly
4. Assessment of the positive effect of mycorrhizae on increasing water absorption to compensate for the reduction of irrigation without decreasing the quality of production and controlling the occurrence of Sclerotinia.

Operational Group Leader

Entitat: **VERDCAMP FRUITS SAT 1132 CAT**

E-mail de contacte:

Tipologia d'entitat:

Agrupació o associació de productors agraris

Keyword-category

Agricultural production system
Biodiversity and nature management
Fertilisation and nutrients management
Landscape / land management
Pest / disease control
Plant production and horticulture

Territorial scope

Province

Tarragona

County

Baix Camp

Soil management / functionality
Water management

Project dissemination (*publications, seminars, multimedia...*)

Elaboració d'una fitxa tècnica penjada a la web del líder del projecte

Project website

<http://www.verdcampfruits.com/qualitat-i-seguretat-alimentaria/>

Other project information

Project period

Approved budget

Starting date (month-year): Març 2017	Total budget:	17.142,00 €
End date (month-year): Setembre 2017	<i>Funding source DARP:</i>	6.839,66 €
Project status: <i>Finalised</i>	<i>Funding source EU:</i>	5.159,74 €
	<i>Own funds:</i>	5.142,60 €

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Ordre ARP/96/2016, de 27 d'abril, per la qual s'aproven les bases reguladores dels ajuts a la cooperació per a la innovació a través del foment de la creació de grups operatius de l'Associació Europea per a la Innovació en matèria de productivitat i sostenibilitat agrícoles i la realització de projectes pilot innovadors per part d'aquests grups (operació 16.01.01), i es convoquen els corresponents a 2016.

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