

Olive fly control

Summary

The aim of the proposed innovation is to increase the competitiveness of the Catalan olive sector through the production of high quality olive oil, minimizing the environmental impact of the main methods of pest control key olives in Catalonia: the olive fly, preferably through the use of new solid attraction products, and determine the minimum effective dose per hectare in order to minimize the economic cost as to continue working with liquid attraction products may put in danger the feasibility of this system. The main objectives of the proposal are:

- Determine the minimum area required for effective control of the mass trapping of *Bactrocera oleae*, R.
- Determine the coverage / dose to be effective in small areas of mass trapping of *Bactrocera oleae*, R.
- Determine the effectiveness of different combinations of fly traps and attractants to capture *Bactrocera oleae*, R.

Evaluate the protection against the bite of *Bactrocera oleae*, R. Using unconventional techniques, ie, systems or products from natural source-

Objectives

The main objective of the pilot project conducted by the Operative Group created will be to implement strategies to fight against the olive fly, the main pest of the olive tree, combining various methods alternative vs the aerial treatments, which will allow to an high quality production, minimizing the environmental impact and increasing the competitiveness of the Catalan olive oil sector.

These strategies will be based on methods that respect the environment, mainly with the mass capture of adult for *B. oleae*, combined with the application of kaolin, diatomaceous earth, *Beauveria bassiana* and spinosad.

Conclusions

Thanks to the work done it has been achieved the commitment to create an Operative Grup with cooperatives from the olive oil branch inside the Agricultural Cooperatives Federation of Catalonia, and IRTA as research center. This Operative Group has defined the objectives and the work packages to run a pilot project over the period 2017-2019 in order to find innovative solutions to the challenges defined in the initial proposal.

Operational Group Leader

Entitat: **FEDERACIÓ DE COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)**

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Tipologia d'entitat:

Associació o federació de cooperatives

Keyword-category

Agricultural production system
Pest / disease control

Territorial scope**Província**

Tarragona
Lleida
Girona
Barcelona

County

Tarragonès
Ribera d'Ebre
Montsià
Garrigues
Conca de Barberà
Baix Penedès
Baix Camp
Bages
Anoia
Alt Penedès
Alt Empordà
Alt Camp

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

Web de la FCAC

Project website

www.fcac.coop

Other project information

Project period

Starting date (month-year): Novembre 2015

End date (month-year): Setembre 2016

Project status: *Finalised*

Approved budget

Total budget: 17.500,00 €

Funding source DARP: 6.982,50 €

Funding source EU: 5.267,50 €

Own funds: 5.250,00 €

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Ordre ARP/258/2015, de 17 d'agost, 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, i es convoquen els corresponents a 2015.

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