

Social Dissemination

The **LIFE-BIODELEAR** project participated in the 10th International Symposium of Fruit Flies of Economic Importance held in Tapachula, Mexico, on April 23-27, 2018. <http://www.10isffe.org>.
The presentation of the attractive BIODELEAR manages to attract great interest.



Reports

The Life-Biodelear program was presented at the 64th Flower Fair of Kifissia.

Meetings / Workshop

The **LIFE-BIODELEAR** program participated in the Informative Day organized by the Green Fund and the Greek Life Task Force.



Briefcase:

- Workshop of **LIFE-BIODELEAR** is Cyprus.
- Life-Biodelear team is organizing briefing visits to cooperatives and involved members.
- Creation of **Life-Biodelear** project promotional material.
- Survey with the new life-Biodelear questionnaire.
- Film creation for the presentation and promotion of the **LIFE-BIODELEAR** project.



Encouraging results of LIFE-BIODELEAR

«Addressing Med fly with an innovation and environmentally friendly attractant through an Integrated Pest Management Strategy»
LIFE BIOBELEAR (LIFE13 ENV/GR/000414)

Running the final year of **Life-Biodelear** project, all partners, Elgo-Dimitra, University of Thessaly, Aristotle University of Thessaloniki and Benaki Phytopathology Institute have focused on the control of Med fly (*Ceratitis capitata*) in citrus orchards with the new attractant Biodelear. At the same time, dissemination actions have been organized in order to motivate local society.

In this 5th issue we present the main results of the last semester's action, as well as the dissemination activities of the project and future events.

Service and suspension of traps

In February, all traps from the orchards (both for mass trapping and for population monitoring stations) were gradually collected. The traps were cleaned and placed again. The traps that have been destroyed, were replaced.

Captivation in traps

Due to the warm year, we have been witnessing sporadic captures of the Mediterranean fly even during the winter. Moreover, insect flight, in spring began much earlier than in 2017. It is worth mentioning that the captures in the traps that Biodelear inputted as attractant, had begun earlier and were more than captures in the traps containing Biolure as attractant.



The arrests in Jackson traps also began much earlier.

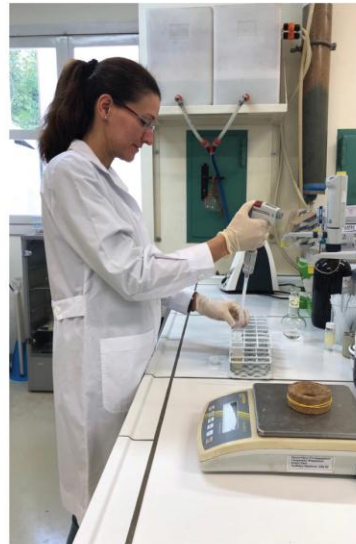




Pesticide residues analysis

During last semester, the analysis of citrus fruits from all the experimental orchards, regarding pesticide residues, has been completed.

- Confirmatory measurements of B1 action resulted in no detectable residues in all orchards, a fact that further enhances the control of Med fly with the use of Biodelear attractant.
- Preparatory monitoring of the real scale orchards provided the existing residue-profile prior to the establishment of Mass trapping with Biodelear.



Geographic mapping of alternative hosts

All alternative hosts of the insect were identified and recorded on thematic maps.

Pitfall traps installation

In March 2018, pitfall traps were placed in the experimental orchards, aiming at assessing the arthropod pest diversity. After the first analysis of the samples, there was clear detection of the recovery of the terrestrial arthropod population, due to seasonal increase in temperature.

Estimation of diversity of Arthropoda on trees leafage.

In May 2018, the first sampling with the use of the fogging method was conducted, to study the diversity of Arthropoda on experimental orchards' leafage.



Composition of innovative attractive Biodelear

Composition of sufficient quantities of innovative attractive Biodelear was made to meet the needs of the project during the new growing season.

Soil samplings

The sampling of soil was continued in the orchards of Chios and same time the initial results of soil analyze and their statistical processing are processed.

