

## **Biodelear Integrated Mass-trapping Strategy**

### **Summary**

The mass trapping technique against fruit flies dates back at the beginning of the previous century. Today, due to the use of modern trapping devices and attractants, this technique may be as effective as other conventional control methods such as insecticides. However, various biotic and abiotic factors may influence its effectiveness. Therefore, the development and implementation of an appropriate strategy is crucial for maximizing its successes.

In the framework of LIFE13 ENV/GR/000414 project we developed a strategy for addressing the Mediterranean fruit fly (medfly) with the environmentally friendly attractant Biodelear using the mass-trapping technique. By incorporating a series of factors such as pest's biology, hosts spatial distribution, arboreal and soil biodiversity, water and soil resources and insecticide residues we managed to successfully control medfly populations in citrus orchards of Chios Island, Greece.

The develop Integrated Mediterranean Strategy provides holistic approach on the management of the Mediterranean fruit fly, incorporating important elements for the protection of the environment and the sustainability of the citrus production system. With minor appropriate modifications the above strategy can be adopted by other Mediterranean countries and cropping systems.