OLIVICULTURA

Com Apoio:

PDR 2020 PROGRAMA DE DESENVOLVIMENTO RURAL 2014·2020 | PORTUGAL 2020 | UNIÃO EUROPEIA Fundo Europeu Agrícola de Desenvolvimento Rural *A Europa Investe nas Zonas Rurais*

ECOlives

UNIVERSIDADE DE ÉVORA

Início: 06/2016
Fim: 12/2019

Orçamento: 194.818,00 €

AGRO Inovação 2019

WORKSHOPS REGIONAIS DE INOVAÇÃO NA AGRICULTURA

ECOLIVES - Fostering sustainable management in Mediterranean olive farms: pest control services provided by wild species as incentives for biodiversity conservation

Parceiros

Tipo:	**Nome / contacto:**
Research Center	MED- Mediterranean Institute for Agriculture, Environment and Development

Projeto

Objetivos:

The overarching research goal of this project is to estimate the role of bird- and bat-mediated biological control services against the Olive fruit fly (*Bactrocera oleae*) and the Olive fruit moth (*Prays oleae*) – the two major pests in olive groves following distinct pest management strategies.

Atividades desenvolvidas:

The diversity and abundance of birds and bats as well as the abundance and incidence levels of olive pests were sampled along a gradient of management intensification, ranging from organic to super-intensive olive groves.

Every single olive grove was characterized based on in-field management intensity and landscape-scale simplification.

Resultados:

Both the diversity and species-specific abundance of birds and bats significantly decreased with increasing management intensity.

While abundance of both insect pests was higher in intensively managed olive groves, their incidence levels exhibited no differences across the different types of production systems.

Overall, our results indicate that management intensification at both in-farm and landscape-level strongly compromises the potential of birds and bats to provide biocontrol services on the major olive pests *B. oleae* and *P. oleae.*

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Organização: **RRN** | Rede Rural Nacional em colaboração com:
INIAV I Instituto Nacional de Investigação Agrária e Veterinária e a
AIFO I **Associação Interprofissional** da Fileira Olivícola

Rede Rural Nacional