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MEETING ABSTRACT OP

Rational management of olive fruit fly control based on modern technologies and recent scientific evidence

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Abstract: Olive fruit fly control in Greece is at a critical point, as the available tools are limited, especially in the context of the European Union's Green Deal. The climate crisis worsens the problem, as it allows the insect populations to develop even during the winter months. Various technologies have been developed and are still being developed to support control programs. These include diagnostics and smart databases for resistance, enabling the management of chemical plant protection based on scientific data and precision interventions. They also include alternative biological control methods (such as parasitoids and approaches targeting symbiotic bacteria), as well as innovative strategies for off-season control interventions.

Keywords: Bactrocera oleae, Integrated pest management (IPM), climate change, biological control, precision agriculture

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