UNIVERSITY OF GRAZ

TECHNOLOGY OFFER

Next-generation fruit fly trap

For insect control in amateur gardening and commercial fruit growing.

BACKGROUND

The spotted wing drosophila threatens fruit growing and viticulture by piercing healthy, ripening berries to lay eggs inside. Unlike other fruit flies that target damaged fruit, Drosophila suzukii attacks fruit still on the vine or tree. The initial damage also attracts other fruit fly species, leading to further harm and secondary infections.

TECHNOLOGY OVERVIEW

Current market solutions are hard to handle, but our innovative design keeps the bait effective and prevents dilution. The trap is easy to hang in orchards, allows hygienic filling, and is leak-proof for transport. Its design also reduces insect escape, greatly increasing catch rates and effectiveness. Versatile and adaptable, the trap can catch various insects and can be combined with attractants like an orange-based lure in development.

ADVANTAGES

- Easier to set up in orchards
- Cleaner, simpler transport of the attractant
- Improved bait resistance due to less dilution
- Insects find it much harder to escape

D. suzukii on grapes
_AI_generated image
by inventors of Uni Graz

Grapes damaged by
Drosophila suzukii
Uni Graz by Egger K.

KEYWORDS:

Spotted wing drosophila, drosophila suzukii, drosophila melanogaster, fruit fly, fly trap, trap, insect trap, insect, catching device, attractant

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COOPERATION OPTIONS:

Licensing Agreement
R&D Agreement

DEVELOPMENT STATUS:

Proof of Concept

STATUS OF PATENT:

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