

VARROMETER

Customise Your Varroa Control Strategy

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Why VARROMETER?

Varroa destructor is the most challenging biotic stressor for honey bee health.

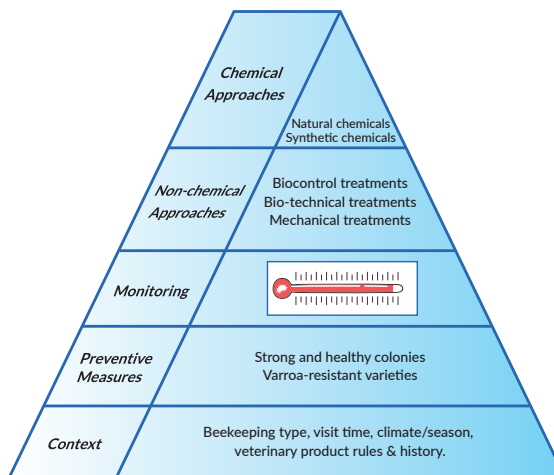
Despite abundant scientific and technical knowledge, many beekeepers find it difficult to:

- **Select strategies** tailored to their specific conditions.
- **Stay up-to-date** with the latest veterinary products and legislation.

VARROMETER was created to bridge this gap, offering a customised, up-to-date tool, based on Integrated Pest Management (IPM) of varroa.

What is VARROMETER?

Novel Interactive digital tool for beekeepers and honey bee veterinarians. It provides tailored recommendations for varroa control.



Results & Innovation

- Computes 3,840 strategy combinations
- Rotates methods to reduce resistance
- Adapts to beekeeping styles & laws
- Practical tool for vets & advisors

Next steps: Broader testing, international adaptation, and integration into digital platforms.

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Varroa (*V. destructor*) is the most challenging biotic stressor to be managed in beekeeping. Beekeepers have several options for varroa control published in scientific or technical fora; the most extensive advisory efforts are dedicated to their control. However, despite today's information, many find it challenging to choose the strategy that best fits their reality and keep up-to-date with the market's available veterinary products. Varrometer is an interactive tool designed to assist practitioners in beekeeping and honey bee veterinary decision-making. It suggests measures tailored to the specific characteristics of each beekeeper for varroa control, based on the available options, legislation, climate and managerial preferences. The tool goes beyond selecting veterinary products and can be adapted to any existing beekeeping philosophy. Varrometer follows an Integrated Pest Management (IPM) approach, which involves different levels of varroa control measures. IPM protocols consider the context of the bee colonies, the beekeeper, and their practices (Level 0). They are based on preventive measures to maintain healthy colonies under optimal conditions to cope with potential stress factors (Level 1). By monitoring varroa infestation levels throughout the season (Level 2) and establishing their preferences, beekeepers obtain varroa control strategies and methods adapted to their reality (Level 3 [non-chemical approaches] and Level 4 [chemical approaches] or combinations of both).