BIOSECURITY MEASURES IN BEEKEEPING | VARROOSIS

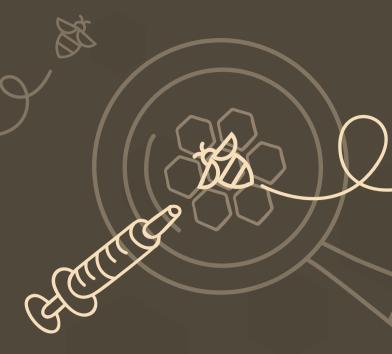
Biotechniques

Heat **Treatment**

Heat treatment is a sustainable, chemical-free method for managing varroa mites in bee colonies.

By exposing the colony to temperatures above 42°C for a

controlled period of 2 to 3 hours, the mites are eliminated without harming the bees (the temperatures and timings depend on the methods used). Specialised equipment can be used to treat either the entire colony or just the capped brood frames, effectively targeting mites on adult bees as well as within brood cells. This approach works in regardless of honey harvesting or weather.







that is certified for heat treatment of bees.

Choose a proper device





an electrical outlet. In the field, you can use a small generator.





a sufficient amount of water to the bottom compartment.

during the process. Add





amount of brood frames. Be careful, you cannot mix different types of frames during the process.





of the center frame, that you insert last.





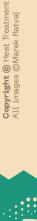
should not stick out of the frame and should be placed diagonally in the frame.







treatment by turning off the device and cleaning it. Don't forget to discard the rest of the water. Moving the device with water still inside can damage it.





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step lasts around 2 hours.

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