

Technology

Animal Health

Naturalvar Organic Antiparasitic Agent



Regional Center: Santa Fe

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#acaricide | #antiparasitic | #organic | #varroa | #apiculture | #thymol

<https://www.argentina.gob.ar/inta/tecnologias/antiparasitario-organico-naturalvar>

Varroosis, a disease caused by the *Varroa destructor* (Anderson y Trueman 2000) mite, generates serious economic losses in beekeeping. The Varroa mite chiefly affects *Apis mellifera L.*, consuming fat bodies and hemolymph of bees, thus impairing hive evolution and performance. Reports indicate that varroa is a vector of a virus and bacteria complex that contribute to increase their virulence. When the mite colonizes an apiary, beekeepers are required to apply different treatments to control it and avoid colony death. Prior to the development and launch of this product, most control treatments in Argentina were performed with synthetic acaricides with a certain degree of success in their control. The main active ingredients adopted were pyrethroids (fluvalinate, flumethrin), phosphorates (coumaphos) and formamidines (amitraz), which promoted inadequate use and excessive residue traces in honey, wax and propolis and resistance in the mite population.

Highly effective organic acaricide.

Fully organic varroa control.

Ideal as a component incorporated in the Integral Management of Varroosis.

No residues in honey.

Ready to apply.

Easy application.

Eradicating Varroa is impossible, therefore, beekeepers are required to develop management strategies that enable to mitigate the effects produced by incorrect apiary practices. Such issues led to research on alternative control methods, like the use of organic acids and essential oils. Thymol, a natural component of essential thyme oil (*Thymus vulgaris*), has been one of the essential oils subject to extensive study due to its strong acaricide effect. *Naturalvar* is the most intelligent option to prevent resistance to synthetic acaricides or the organic control of mites in hives. *Naturalvar*[®] external organic antiparasitic agent comes in pouches with one treatment per hive, holding 4 vermiculite tablets imbued in 8 g of product. The acaricide effect is produced by evaporation and dissemination of the product across the bee colony by the gnawing of bees.

Transferred Product

NATALIA BULACIO CAGNOLO

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Naturalvar[®]

LICENSEE/MARKETING COMPANY: APILAB S.R.L

Company in charge of disseminating the commercialization of this product: INTeA.

Commercialized in Argentina, Costa Rica and Uruguay

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