



FORMICPRO

FOR TREATMENT OF VARROOSIS
CAUSED BY VARROA DESTRUCTOR IN HONEY BEES (APIS MELLIFERA)

Protect your brood with sustainable Varroa control.

Formic Pro is an all-natural product that targets Varroa mites where they reproduce, under the brood cap. Manufactured in ready-to-use strips, it features an extended shelf-life of 24 months and no storage limitations.



No Resistance

Learn how *Formic Pro* can extend the life of your synthetic treatment use.



Healthy Bees. Healthy Planet.

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Combating the Honey Bee's Biggest Threat

Left untreated, Varroa mites will transmit viruses that weaken a honey bee colony. Thousands of colonies across New Zealand have died in recent years from this parasitic mite.

Varroa mites reproduce under the brood cap and feed off developing bees. When the baby bee emerges from its cell, more mites emerge with it. Colony infestation levels can quickly get out of control because of exponential Varroa reproduction. Due to the honey bee's social nature, a Varroa infestation is easily transferred from one colony to another.

In Beekeeping, Timing is Everything

If climbing numbers of Varroa mites are not controlled early enough, your colonies will be less likely to survive overwintering, especially if they are also compromised by pesticide exposure.¹



As a rule of thumb, in colonies with brood, mite populations double about once a month—and even quicker when the colony has large amounts of drone brood, or when varroa are transmitted from neighbouring colonies.²



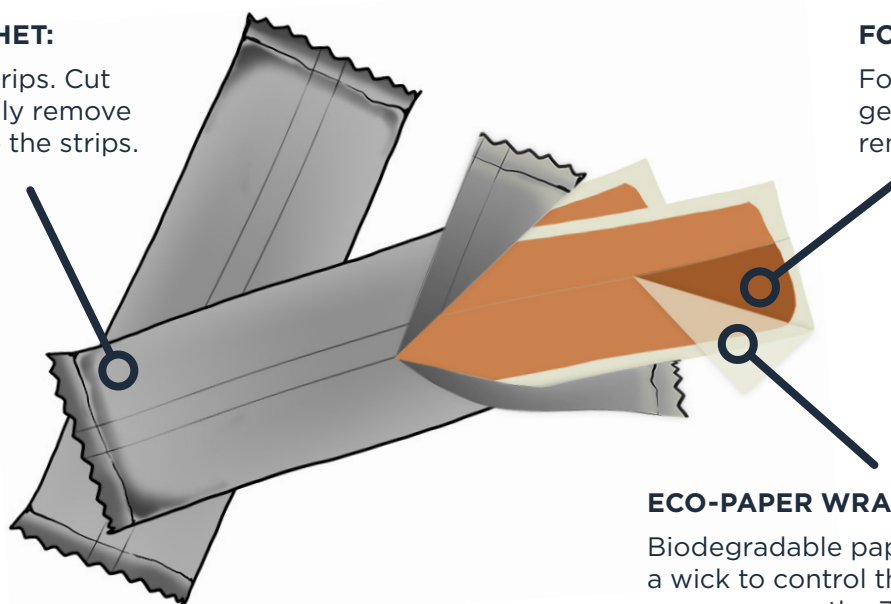
An Effective & Sustainable Solution

To combat this devastating threat to honey bees, NOD Apiary Products developed *Formic Pro*, a sustainable miticide made with the active ingredient: formic acid. This organic acid is specially formulated to control the three parasitic mites of economic significance to the honey bee: Varroa Destructor, Tracheal and Tropilaelaps.

Formic Pro comes in ready-to-use strips that provide the proper dose for quick and easy application. Designed to be used as part of an integrated pest management (IPM) program, *Formic Pro* can extend the life of your synthetic treatment use.

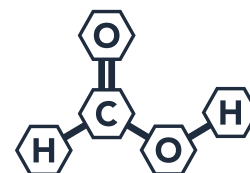
OUTER SACHET:

Contains 2 strips. Cut open, carefully remove and separate the strips.



FORMIC ACID GEL MATRIX:

Formic acid polysaccharide gel strip. The active ingredient remains stable over time.



ECO-PAPER WRAP WICK: **DO NOT REMOVE**

Biodegradable paper wrap designed to act as a wick to control the release of the formic acid vapours over the 7-day treatment period.



Targeted Under the Cap Technology

Formic Pro is a formic acid polysaccharide gel strip that penetrates the brood cap to target Varroa mites where they reproduce and protect baby bees when they're most vulnerable. Its unique under the cap technology targets mites earlier and results in higher efficacy rates compared to treatments that only kill phoretic or dispersal phase mites found on adult bees.

Fast Treatment with No Resistance

Formic Pro is certified organic and can be used with honey supers. The treatment is placed inside the heart of the hive for a 1 week period with efficacy ranging between 83-97%.³

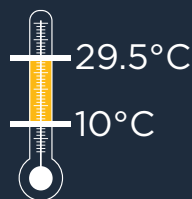
Formic Pro is made with all-natural ingredients and leaves no residues in the honey, wax, or hive components, protecting the image of honey as a wholesome food.



7 DAYS

Apply 2 strips inside the heart of the hive.

Leave for one week.



TEMPERATURE GUIDELINES

Daytime temperature highs need to be between 10°C to 29.5°C during the first 3 days of treatment.

Treatment Checklist



[Watch the Formic Pro Treatment Video:youtu.be/MLgZ7FITlyo](https://youtu.be/MLgZ7FITlyo)

- ✓ **FEED PRIOR TO APPLICATION:** Ensure colonies have good feed stores, if required, feed prior to treatment. Do not feed during the 7-day treatment period.
- ✓ **FOR HONEY:** Maximize healthy colony populations by treating with *Formic Pro* 4 to 6 weeks before main honey flows. Have extra supers, with frames on to give bees a place to move up and expand.
- ✓ **FOR OVERWINTERING:** Treat at end of the honey flow (2-3 brood cycles before Queen goes off-lay), while the last super is still on, add additional boxes with frames if bees do not have room to move up and expand.
- ✓ **BEFORE SPLITTING:** Treat 2 weeks before splitting, follow this order: **1. FEED 2. TREAT 3. SPLIT**
- ✓ **TEMPERATURE:** Daytime temperature highs need to be between 10°C to 29.5°C during the first 3 days of treatment. Maximum temperatures should not reach above 33°C for the remainder of the treatment. Bees need to be flying regularly during daytime highs, therefore it should not be raining during the first three days of treatment. Nighttime temperatures below 10°C are acceptable.
- ✓ **VENTILATION:** Maximize entrance ventilation. Wooden bottom boards: Open the full width of the hive to a recommended minimum of 13mm high. Plastic bottom boards: Open the full width and to the recommended height, remove entrance reducer or triple disc system. If using custom bottom boards with limited entrances, set back second box by 13mm to give fresh air access. Screen bottom boards should be closed off or anticipate a decrease in efficacy due to formic acid being heavier than air. Upper entrances and screen bottom boards are not seen as additional or sufficient ventilation sources.
- ✓ **READ & FOLLOW LABEL GUIDELINES:** Follow all application instructions to achieve the best results.

PRO TIP

No need to remove immediately.

After the 7-day treatment period, used strips become inert so you can leave them in the hive until your next inspection and then simply compost.



Choose to Protect Your Colonies Sustainably



HIGH EFFICACY:
KILLS MITES UNDER
THE BROOD CAP



RESIDUE FREE



**ALL NATURAL
INGREDIENTS**



**READY TO
USE STRIPS**



BIODEGRADABLE



QUICK TREATMENT



No Resistance

Formic acid has been used
for over 30 years without
any known resistance.

Extended Shelf-Life & Easy Storage

Store *Formic Pro* out of direct sunlight for the full 24-month shelf-life. Freezing the product is acceptable however, does not extend the shelf-life. Available in three packaging sizes:

2 DOSE



10 DOSE



30 DOSE



No Mixing Required: 1 Dose = 1 Hive (Single or Double Colony)



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Sources

¹ "The Importance of Fall Varroa Management." Ontario Beekeepers Association, n.d. Web. 21 Oct. 2016. <http://us6.campaign-archive1.com/?u=-fa6a231c0128230357099bec1&id=bdcf98b476&e=e6e3a4a37c>

² "TOOLS FOR VARROA MANAGEMENT - Bee Health Coalition." Honey Bee Health Coalition. N.p., n.d. Web. 21 Oct. 2016. http://honeybeehealthcoalition.org/wp-content/uploads/2016/03/HBHC-Guide_Varroa_Interactive_18FEB2016.pdf

³ VanderDussen, David. "MAQS+ vs. Mite Away Quick Strips Efficacy Fall 2016" NOD Apiary Products. Ontario, Canada. 2016.