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#FPRO- Formic Pro

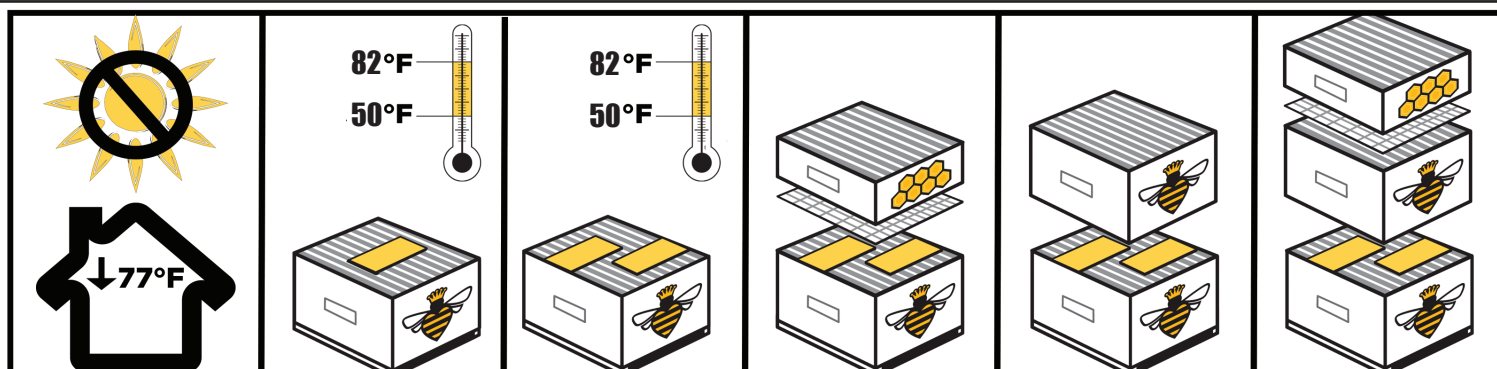
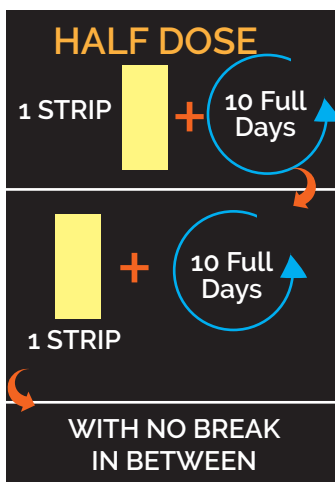
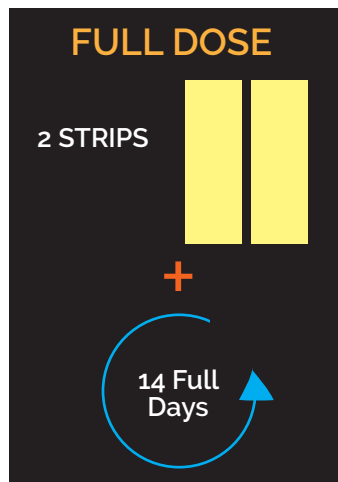
Treatment Options

KNOCK OUT vs. KNOCK DOWN

Use the **FULL DOSE** treatment option to get **KNOCK OUT** efficiency of over 90%. Place 2 strips on top of the bottom brood box for 14 full days.

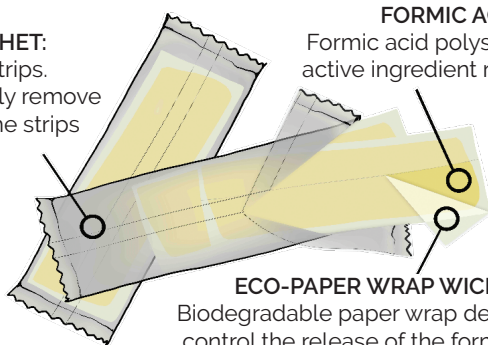
Use the **HALF DOSE** treatment option to get a **KNOCK DOWN** of Varroa. Suitable for weaker colonies or fragile queens. Use 1 strip for 10 full days then 1 more strip for 10 full days, with no break in between.

****Personal Protective Equipment and Handling**
Applicators and other handlers must wear coveralls over a long-sleeved shirt, long pants, socks and shoes, acid resistant gloves (PVC, neoprene, or nitrile), and protective eyewear.



Formic Pro Components

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 14 day treatment period.

Storage

- Store below 25°C (77°F).
- Protect from direct sunlight.
- Store in a dry place.
- Store in a tightly closed original container in a well-ventilated area, away from sulphuric acid, oxidizing agents, and sources of ignition.
- Keep the container tightly closed.

VENTILATION

Remove entrance reducers, or set-back colony by 4 cm (1.5 inch). **ENTRANCES MUST BE FULL WIDTH OF THE HIVE**, typically the bottom board entrance, minimum height 1.3 cm (0.5 inch). Entrance needs to be fully open for entire treatment. *Screen bottom boards left open DO NOT aid in bees movements of fresh air into brood chamber.

Temperatures During Treatment

The treatment period is 14 days, treatments ends at day 14. Outside daytime temperature highs should be between 50-82°F on day application, **in the first 3 days temps should not exceed 85 degrees** hot temperatures during the first three days may cause excessive brood mortality and queen loss.

Application

- A minimum of 6 brood frames is required for safe FORMIC PRO treatment
- Treat all colonies in one location at the same time.
- Do not feed (syrup or pollen supplement) during treatment.
- Remove all entrance reducers, mouse guards, and robbing screens. Tray should be fully inserted into screened bottom boards.
- Colonies are expected to expand the cluster as part of controlling vapor concentration during the first 3 days of treatment, bearding behavior may be observed.
- Put on extra honey supers (honey flow or not!) to accommodate cluster expansion.
- It is acceptable to have queen excluders in place
- Disturb colony activity as little as possible during the application process. That means: Give as much time between assessment and treatment as possible. Wait 24 hours after working your bees (or removing supers!) to treat with FORMIC PRO.
- After strip application, DO NOT DISTURB the colony for 7 days: do not remove tray from screened bottom board, do not inspect, do not feed, (stay away!)

For a complete and thorough discussion (including video) of this treatment, visit the manufacturer's website www.NODglobal.com

Formic Pro FAQs:

What is the difference between Formic Pro and Mite Away Quick Strips?

Formic Pro is the next generation product to the Mite Away Quick Strips formulation. The major differences include the shelf life, 24-months (FP) vs. 12-months (MAQS), treatment period, 14 or 20 days (FP) vs. 7 or 21 days (MAQS) and storage requirements, out of direct sunlight (FP) vs. under 25°C/77°F (MAQS).

I only want to try Formic Pro on a few hives in my apiary. Is this ok?

No. Formic Pro should be used to treat all colonies in the apiary at the same time to prevent reinfestation.

Can I treat with honey supers on? Why does Formic Pro not leave residue in the honey?

Formic acid is an organic acid that naturally occurs in honey. Formic Pro controls the vapor release of formic acid throughout the treatment period. By the end of treatment, formic acid levels in the hive reflect what naturally occurs in honey, when applied as per label.

Can I treat my newly split nucs, if they contain only 4 or 5 frames of bees?

Formic Pro should only be applied on single or double brood chamber standard Langstroth equipment or equivalent (e.g. Dadant). The Honey bee colony cluster must cover a minimum of 6 brood frames (approximately 10,000 bees). If you move your nucs into full size brood chambers and allow them time to expand to a full six frames, you can then treat with Formic Pro

I use polystyrene beehives in my operation, can I use Formic Pro without melting my beehives or having some obscure chemical reaction?

NOD tested pieces of polystyrene and there was no indication that contact with formic acid caused any melting or chemical reaction. Some polystyrene hives require modifications to the hive entrance size in order to meet the label requirements.

How do I know if my hive type is suitable for use with Formic Pro?

Formic Pro is designed for use with standard Langstroth equipment or equivalent (e.g. Dadant), single or double brood chamber hives. Please see ventilation requirements on the bottom of the first page.

I see some dead bees and brood at the entrance of my hive, what is happening?

More bee and brood mortality may be observed in colonies with high virus loads.

What is the advantage to using Formic Pro?

Formic acid molecules are small enough to penetrate the thin wax capping layer and the cocoon of the developing baby bee to reach the mites. Most other miticides only kill phoretic mites on adult bees by contact.