

Product (active ingredient)	Efficacy for Varroa	Mechanism Of Action	Temperature dependent?	Effective on other pests?	Remove Supers while treating?	Dosage	Notes
Apistan (Tau-Fluvalinate)	97% or greater Varroa mites can develop a resistance to this product. Results may vary.	CONTACT – bees come in contact with product which then kills mites	no For best results, apply Apistan when daytime temps are at least 50° F	no	Remove supers during treatment Allow 14 days after treatment is completed and removed before adding honey supers.	1 strip for every 5 frames of bees/brood. Leave strip(s) in the hive for 42 to 56 days. READ LABEL FOR PROPER USE AND APPLICATION NOTES: 1) Wear latex gloves when handling strips	1) Be sure to remove treatment at the recommended date (42 to 56 days after start date) 2) Do not use any hardware that was in the hive during the treatment when producing comb honey.
Check Mite (Coumaphos)	97% or greater Varroa mites can develop a resistance to this product. Results may vary.	CONTACT – bees come in contact with product which then kills mites	no	Small Hive Beetle – staple strips to the underside of delaminated piece of corrugated cardboard and place on bottom board inside the hive. Beetles seek shelter near strips and die.	Remove supers during treatment Allow 14 days after treatment is completed and removed before adding honey supers.	1 strip for every 5 frames of bees/brood. Leave strip(s) in the hive for 42 to 45 days. READ LABEL FOR PROPER USE AND APPLICATION NOTES: 1) Wear chemical resistant gloves when handling strips (nitrile gloves – NOT LATEX!)	1) Be sure to remove treatment at the recommended date (42 to 45 days after start date) 2) Do not use any hardware that was in the hive during the treatment when producing comb honey.
Mite Away II (Formic Acid)	93.3% (± 5.5%)	FUMIGANT – vapors from the product kills mites	50° F to 79° F <i>Remove the pads if temp exceed 82° F at any point in first 7 days</i>	Tracheal Mites	Remove supers during treatment Honey supers can be placed back on hive immediately after the treatment is removed (no withdrawal). However, if treatment is conducted before honeyflow, allow at least two weeks between end of treatment and HARVEST of honey.	Apply 1 soaked pad for 21 days (21 day total treatment) READ LABEL FOR PROPER USE AND APPLICATION NOTES: 1) Reduce hive so it consists of only 2 brood chambers 2) A 1.5" spacer rim and two small spacer sticks are required to elevate the pad above the top frame. 3) Apply pad so that the holes are facing DOWN.	1) For the first 7 days, brood may be killed during treatment but this will have no lasting effects. 2) Safety equipment must be worn during application. Read label for more information.

NOTE: READ AND FOLLOW ALL INSTRUCTIONS PROVIDED BY THE MANUFACTURER. Information in this grid may have changed. Use at your own risk.

Product (active ingredient)	Efficacy for Varroa	Mechanism of Action	Temp dependent?	Effective on other pests?	Remove Supers while treating?	Dosage	Notes
ApiLife VAR (Thymol)	75%	FUMIGANT – vapors from the product kills mites	59° F to 69° F DO NOT APPLY IF TEMPERATURE EXCEEDS 90°F	Tracheal Mites	Remove supers during treatment Do not add supers back to hive until 1 month after treatment has been removed.	Reduce the hive so it has only 1 or 2 brood chambers (no honey supers either). Take 1 tablet and break it into 4 pieces. Put the pieces in a screen container and then place them in the 4 corners of the top chamber of the hive (the screen prevents bees from removing the product). In 7 - 10 days, take another tablet and repeat. In another 7 – 10 days, take another tablet and repeat. In another 12 days, remove any remaining pieces of product from hive. READ LABEL FOR PROPER USE AND APPLICATION	1) Remove supers during treatment and for 30 days after treatment. 2) Wear protective gloves while handling this product. Use disposable gloves -- the product will leave an oily residue on the gloves. 3) The vapors from this product are very strong. Be sure to store any unused tablets in an airtight container where vapors will not accumulate.
ApiGuard (Thymol)	85% to 95% (Mark Winston from Canada found only 77% efficacy for varroa mites and highly variable for Tracheal Mite control)	CONTACT + FUMIGANT – bees come in contact with product, spread it around the hive, releasing vapors which then kill the mites	60° F to 105° F	Tracheal Mites	Remove supers during treatment	Apply (2) 50g trays on top of the brood nest. Apply another (2) trays in 14 days. (28 day total treatment) READ LABEL FOR PROPER USE AND APPLICATION	1) Treatment is a gel that encourages hygienic behavior. As bees clean the gel out of the hive, the treatment is spread throughout the hive.
Sucrocide (Sucrose Octanoate Esters)	97% or greater Results vary depending on how product was applied.	CONTACT – mites (and bees) are sprayed with the product. Product kills mites but not bees.	Because bees will be wet during application, do not apply if temp drops below 70° F while bees are still wet.	no	No need to remove supers during treatment	Mix 3 tablespoons of Sucrocide with 2 gallons of water. Spray onto both sides of every frame in the hive, being sure to get all the bees wet with the mixture. Apply 3 treatments 7 to 10 days apart. READ LABEL FOR PROPER USE AND APPLICATION	1) Because bees will be wet during application, do not apply if temp drops below 70° F while bees are still wet. 2) Be careful not to spray open brood or queen. 3) It is recommended to wear goggles and gloves while applying treatment.

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