



608-444-1493
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Honeybee Medications

Medication (active ingredient)	Approved for use in Wisconsin?	Uses (Reported Efficacy)	Mechanism of Action	Application	Treatment period	Notes
Api Life VAR (thymol)	Yes, EPA# 73291-1	Varroa (75%)	Fumigant – vapors from the product kill mites	Break one wafer into 4 pieces and place on the corners of the brood nest. Apply 3 times every 7-10 days	30 day treatment. Temperatures must be between 64-95°	Supers can be installed after treatment but cannot be harvested for 30 days.
Apiguard (thymol)	Yes, EPA # 79671-1	Varroa (85-95%)	Fumigant – bees come into contact with product, spread it around the hive. Product vapors kill mites	Apply one 50g tray on top of brood nest. Apply another tray in 14 days.	28 days. Temperatures must be between 60-105°	Remove honey supers during treatment
Apistan (Tau-Fluvalinate)	Yes, EPA # 2724-406	Varroa (97% or greater) No longer recommended in Wisconsin due to resistance	Contact – bees come into contact with product which then kills mites	1 strip for every 5 frames of bees/brood. Leave strip(s) in hive for 42 to 56 days.	For best results apply when daytime temps are at least 50°	Remove honey supers during treatment. Allow 14 days after treatment is completed and removed before adding honey supers. There are pockets of resistance to the active ingredient, so make sure the treatment is working.



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Apivar (Amitraz)	Yes, EPA Reg No. 872443-1	Varroa (unknown)	Contact acaricide; leads to mite excitation and paralysis, followed by mite drop and subsequent starvation	2 strips per brood chamber, hang each in bee cluster with 2 frames between strips.	Leave strips inside hive for 42 days. 2 treatments per year	Remove strips 2 weeks before honey flow starts.
Checkmite+ (Coumaphos)	Yes, EPA #11556-138- 61671	Varroa and Small Hive Beetle - No longer recommended in Wisconsin due to mite resistance.	Contact – bees come in contact with product which then kills mites	For Varroa, hang 2 strips in the middle of the brood nest for 45 days. For SHB, staple a half a strip to corrugated plastic and place it strip down on the back of the bottom board	Anytime when the bees are able to move about the hive. Not suitable during a honey flow.	Supers cannot be installed for 2 weeks after treatment. Pockets of resistance. Unavailable due to EPA registration.
HopGuard (Potassium Salt of Hop Beta Acids)	Sec 18 Emergency Approval in WI pending	Varroa		1 strip per 5 deep combs covered with bees in each brood box or (for example) 2 strips per 10 frame brood box	Unfold strips and hang over a center brood frame with 1/2 of the strip on each side of frame. Leave in 4 weeks.	No strips in honey supers! Six (6) applications per year maximum. Can be used during honey flow.



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MiteAway Quick Strips (Formic acid)	Yes, EPA #75710-2	Varroa (93.3% ±5.5%)	Fumigant – vapors from the product kill mites (including mites in capped brood cells)	Apply two strips on top of brood frames	7 days. Daytime temperatures must be 50-92°	Treatment can be done with honey supers on the hive. Strips are compostable.
Sucroside (Sucrose Octanoate Esters)	No longer legal in WI. EPA #70950-2-2205	Varroa (97%)	Contact – bees (and mites) are sprayed with the product. Product kills mites but not bees.	Must spray every bee in the hive 3 times every 7-10 days. Because bees will be wet during application do not apply if temp will drop below 70° while bees are still wet.	Anytime when the bees are able to move about the hive	Approved for use during a honey flow. Very labor intensive. Excellent treatment for packages.
Fumagilin B (bicyclohexyl-ammonium fumagilin)		Nosema		Mixed with sugar water and feed to the bees. Dosage is different for spring and fall.	Cannot be feed during or right before honey flow.	Affective against <i>N. apis</i> and <i>N. caeranae</i>
Terramycin (Oxytetracycline)	Yes, FDA Reg No. NADA 008-804	American Foulbrood, European Foulbrood		The top bars dusted following the outline of the brood nest 3 times on a 4-5 day interval.	Must be removed 6 weeks prior to honey flow.	Pockets of resistance. Once you start using, it is best if you continue using on a regular basis.



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Tylan, Pharmasin, or Tylomed-WS (Tylosin tartrate)	Yes, FDA reg No. NADA 013- 076, NADA 200-473, NADA 200- 455	American foulbrood		The top bars dusted weekly for 3 weeks.	Spring or fall	Treatment must be completed 4 weeks prior to honey flow.
Lincomix (Lincomycin hydrochloride)	Yes, FDA reg No. NADA 111- 636	American foulbrood		Mix with powdered sugar and dust top bars once weekly for 3 weeks	Spring or fall	Treatment must be completed 4 weeks prior to honey flow.
Menthol		Tracheal mites		50 grams of menthol is applied over the brood nest for 28 days.	Day time highs should be over 70 °	Supers cannot be added for 14 days after treatment
GardStar (Permethrin)	Yes, EPA # 39039-16	Small Hive Beetle		Applied to the ground around the hive(s) in 16"-24" wide band	Summer treatment when SHB larva are leaving the hive to pupate.	Should be applied in the evening when bees are not flying. Highly toxic to bees.

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