

	How it works	Form	When to use	Residue in hive?	Time/Labor	Honey supers OK?	Effectiveness	Health impact on bees
ApiGuard (thymol)	Binds receptors in nerves	slow-release gel	59°-100°F	short	2 treatments 2 weeks apart/remove 2 weeks later	no	85-95%	yes (eg. Queen, brood loss), halt in laying
ApiLife Var (thymol, eucalyptus, menthol, camphor)	Binds receptors in nerves	solid wafer	Temps from 65°-80°F (no lower, no higher)	short	Medium/Apply 3 times every 7-10 days (more for heavy mites)	no	90%	yes/sperm viability
Apistan (Fluvalinate)	Poisons sodium ion channels in nerves	impregnated strips	Any time	years	Light/Hang 2 strips in the brood nest for 45 days	no	Used to be 100%, now mites resistant	yes
Apivar (Amitraz)	Binds receptors in nerves	impregnated strips	Any time	short	Light/Hang 2 strips in the brood nest for 42 days	no	99%	yes
CheckMite+ (Coumaphos)	Poisons enzyme in nerves	impregnated strips	Best when no brood	years (25+)	Light/Hang 2 strips in the brood nest for 45 days/safety precautions	no and wait 2 weeks after	Used to be 100%, now mites resistant	yes, not recommended for queen producing colonies
Dowda Method (powdered sugar)	Mites lose grip/fall	powdered sugar dusting	Constantly while brood present	short	Heavy/weekly or bi-weekly dusting throughout season (blower available)	yes	Removes 10% +/- of mite population each time	Low

Mite Away II (Formic Acid)	Strong acid/disrupts electrons in mitochondria	fume pads	50°-82°F	short	Light/one application for seven days/safety precautions	yes	95%	yes (eg. Queen, brood loss), temp sensitive, must be stored correctly
Oxalic acid (dribble)	Not established	liquid/trickle	Best with no brood	short	Medium/one time, apply 10 5ml dribbles to compacted brood nest (5 each to two deeps, 3-4 ea to 3 mediums)	yes	near 100%	yes (eg. Queen, brood loss) PAY ATTENTION to dilution, purity
Sucroside	Drowning/degrades exoskeleton	spray/soak	Early AM of late afternoon/e vening	short	Heavy, soak every frame, three-four visits every 7- 10 days	yes	low/applications on issues probable	little/none