

Pesticide Products for Controlling Varroa Mites¹

Commercial Name²	Active ingredient	Organic	Season³	Application Method⁴	Honey Supers	Length of treatment⁴	Temperature	PPE required⁴	Warnings
Api-Bioxal	Oxalic Acid Dihydrate	Yes	Late fall or early spring, little or no brood	1 g per hive vaporizer or 5 ml liquid dribble per frame of bees up to 50 ml per hive	No	Single treatment	Vaporizer bees in tight cluster, dribble loose cluster or actively flying	Yes	Fatal if swallowed, corrosive, irreversible eye damage, skin burns, may be fatal if inhaled
ApiGuard	Thymol	Yes	Spring, Late Summer	Gel, 1 tray 2 times at 14 day interval or 1 sachet 3 times at 7 day interval or 51 ml 2 times at 14 day interval	No	28-42 days	60-105°F	Yes, 48 hour restricted entry	Irreversible eye damage, harmful if swallowed or absorbed through skin
Api Life VAR	Thymol, Eucalyptus oil, L-Menthol	Yes	Any	Tablet, 1 per hive 3 times at 7-10 day interval	No	26-32 days, maximum 2 applications per year	54-95°F	Yes	May be fatal if inhaled, harmful if swallowed or absorbed through skin
Apivar	Amitraz	No	Spring and Fall	Strip, 1 per 5 frames of bees	No	56 days, maximum 2 applications per year	None listed	Minimal	May be fatal if absorbed through skin, Harmful if swallowed or inhaled
CheckMite+	Coumaphos	No	Any	Strip, 1 per 5 frames of bees	No	45 days, maximum 2 applications per year	Not listed	Yes	Harmful if swallowed or absorbed through skin
Formic Pro	Formic Acid	Yes	Any	Strip, 2 for 14 days or 1 each 2 times at 10 day interval	Yes	14-20 days, minimum 1 month between applications	50-85°F, >92 °F first three days may cause excessive brood mortality and queen loss	Yes	Corrosive, causes skin burns and irreversible eye damage, harmful if swallowed or inhaled

Pesticide Products for Controlling Varroa Mites¹

Commercial Name²	Active ingredient	Organic	Season³	Application Method⁴	Honey Supers	Length of treatment⁴	Temperature	PPE required⁴	Warnings
Hop Guard II	Potassium salt of Hop beta acids	Yes	Spring, summer, fall	Strip, 1 per 5 deep frames of bees	Yes	30 days, maximum 3 applications per year	None listed	Yes	Corrosive, irreversible eye damage
Hop Guard III	Potassium salt of Hop beta acids	Yes	Spring, fall	Strip, 1 per 5 deep frames of bees	Yes	14-30 days, maximum 4 applications per year	None listed	Minimal	Corrosive, irreversible eye damage
Mite Away Quick Strips (MAQS)	Formic Acid	Yes	Late summer	Strip, 2 per hive or 1 every 2-6 weeks	Yes	7 days	50 – 85°F, >92°F first three days may cause excessive brood mortality and queen loss	Yes	Corrosive to skin and eyes, causes skin burns and irreversible eye damage, harmful if swallowed, absorbed through skin, or inhaled
Apistan	Fluvalinate	No	Any	Strip, 1 per 5 frames of bees or less	No	42-56 days,	50°F or greater	Minimal	Harmful if swallowed

¹Products registered with the Virginia Department of Agriculture and Consumer Services (VDACS) for control of the Varroa mite (*Varroa destructor* Anderson and Trueman). A complete list of pesticide products registered with VDACS may be obtained from the Office of Pesticide Services web page - www.vdacs.virginia.gov/pesticide-product-registration.shtml.

²Products listed in alphabetical order. URL address link to product label included with PDF copy of table.

³Season for treatment based on manufacturer's information included in product label.

⁴Read label for details regarding application rate, treatment duration, withdrawal period, personal protection equipment (PPE), and other specific product information.