

Diseases and Medications for Honeybees

Disease: Varroa destructor (external parasite)

Medication (info source)	Type of Agent	Time of Application	Hazards	Vendor
Apiguard (Label)	Essential Oil (Thymol)	Temperature: 60-105F, 2x @ 2 week intervals No honey supers	Gloves, eyewhere needed Can kill brood	1, 3, 4
ApiLife Var (Mann Lake)	Essential Oils Thymol, eucalyptol, menthol, camphor	Temp: 65-95F 3x at 7-10 days	Gloves	2, 5
Apivar	Synthetic Pesticide Amitraz	Strips removed 2 weeks before honey flow	Honey Contamination Mite Resistance, gloves	1, 3, 4, 5
Apistan	Fluvalinate (Pyrethroid)	Spring or Fall	Gloves Mite resistance	1, 3, 4, 5
Checkmite	Synthetic Pesticide (Organophosphate) Coumaphos	When brood is lowest, remove after 42 days	Gloves Mite resistance	4, 5
Hivastan	Synthetic Pesticide (fenpyroximate)	Spring or Fall	Gloves, Some bee loss possible	
Hopguard II	Derived from hop plant	Not when honey supers are on		1?, 5
Sucrocide (Brushy Mountain)	Sucrose Octanoate Ester	All bees sprayed 3x at 7-10 days, any time		
Mite Away Quick Strips	Formic Acid	Can be applied during honey flow	Gloves, eyewhere needed Can kill brood, queens	1, 4, 3, 5
Oxalic Acid	Dribble method or Vaporization (Sublimation)	Early Spring or late Fall to December	Gloves, eyewear needed	1, 3, 4

Disease: Nosema ceranae and Nosema apis (Intestinal fungus)

Fumagillin (Label insert)	Antibiotic	Fall or Spring	Cannot be fed before or during honey flow, Can lead to hyperproliferation of disease	1, 3, 4, 5
Honey B Healthy (Rhoades, P.R., & J.A. Skinner)	Essential Oils (Lemon Grass & Spearmint)	Spring or Fall	Can Flavor Honey	1, 3, 4
Hive Alive (HoneyBHealthy?)				5
Thymol (Rhoades, P.R., & J.A. Skinner)	Essential Oil	See products for varroa		
Nozevit (British Web Sites)	Plant polyphenol	2x @ 10 day apart Spring or Fall		

Disease: American foulbrood and European foulbrood (Bacteria)

Medication (info source)	Type of Agent	Time of Application	Hazards	Vendor
Terramycin, aka: duramycin, oxytetracycline	Antibiotic	1x/wk for 3 weeks	Development of Drug Resistant Foulbrood	1, 3, 4, 5, 6
Tylan	Antibiotic	1x/wk for 3 weeks	200 day ½ life Residue found two years later	5

Disease: Tracheal Mite (Mite of breathing tube)

Medication (info source)	Type of Agent	Time of Application	Hazards	Vendor
Breeding resistant bees			None; Many bees already resistant	
Mite-A-Thol	Essntial Oil (Menthol)	Remove 30 days before honey flow		3, 4, 5
Grease Patties (Wikipedia)			None	

Disease: Small Hive Beetle

Medication (info source)	Type of Agent	Time of Application	Hazards	Vendor
Checkmite (Mann Lake)	Synthetic Pesticide (Organophosphate)	When brood is lowest, remove after 42 days	Gloves	4, 5
Gardstar (Mann Lake)	Synthetic Pesticide (Ground Drench)		Do nor use inside hive, keep overspray away	4, 5
Beetle Traps	Mechanical			1, 3, 4, 5

Disease: Viruses

Medication (info source)	Type of Agent	Time of Application	Hazards	Vendor
No direct medicine	Best to control varroa			

Disease: Chalkbrood (Fungus)

Medication (info source)	Type of Agent	Time of Application	Hazards	Vendor
Honey Bee Microbial	Bacteria	Spring or Fall	No proven benefit	1
Breeding resistant bees			None	

Disease: Wax Moth

Medication (info source)	Type of Agent	Time of Application	Hazards	Vendor
Paramoth or Moth Crytals	Para-dichloro benzene (Not Napthalene)	Stored equipment	Do not use when honey is in comb Air out equipment before use 1-2 wk	1, 3, 5, 7

Vendors: 1 - Betterbee, 2 - Brushy Mtn, 3 - Dadant, 4 – Walter T. Kelley, 5 – Mann Lake, 6 – Local Feed Store 7- Hardware Store