

HONEY BEE HIVE MANAGEMENT

Insect	Insecticide	Rate	Application	Remarks/Precautions
Fumigation Stored Bee Hive Supers and other beekeeping equipment/ Greater Wax Moth	Aluminum phosphide	150-225 pellets/1,000 cu ft 30-45 tablets/1,000 cu ft		Special training and precautions are needed before use of aluminum phosphide.
	Paradichlorobenzene 100% (PARA MOTH Granule)	3 oz/stack of 5 hive bodies	Crystals may be sprinkled on the top bars of the frames or preferably put on a piece of paper or cardboard laid on top bars. The cover should be put tightly in place. Stacks should be inspected every two to three weeks and more crystals added if needed.	Never use on live colony of honey bees. Do not expose honey to product.
Tracheal Mites	Menthol 99.94% (Menthol, Mite-A-Thol) Granules in packet	1.8 oz (50 grams)/colony	Place packet on top bars when temperature is 80 degrees or below; place packet on bottom board when temperature is above 80 degrees. Do not use product when temperature is below 60 degrees.	In spring, remove product at least 14 days prior to honey flow to prevent contamination. In fall, remove surplus honey prior to treatment.
Varroa Mites	Tau-fluvalinate 10% (Apistan plastic strip)	1 strip/5 frames of bees in brood chamber	Treat for minimum of 42 days and maximum of 56 days. Remove strips and discard; do not reuse spent strips.	Treat hives in spring before first honey flow or in late summer or fall after last honey flow; remove honey supers during treatment. Supers may be returned to hive following treatment. Never consume or sell honey that has been treated.
	Thymol (ApiLife VAR, ApiGuard, Thymovar)	3 wafers/colony	Follow label directions for prepacked dose.	Do not use during honey flow. Treatments are most effective when daytime temperatures are between 68 and 86 degrees F. Do not use when temperatures are above 90 degrees F. Remove tablets at least 30 days prior to honey harvest.
American Foul Brood, European Foul Brood	Oxytetracycline hydrochloride 25 grams/lb (Terramycin soluble powder)	1 tsp/oz powdered sugar/colony or 1 tsp/5 lb jar of 1:1 sugar syrup	Dust colonies 3 times at 4- to 5-day intervals making sure not to apply dust on frames containing brood. Or, feed syrup solution making 3 applications at 4- to 5-day intervals.	Make application in spring or fall before honey flow to prevent contamination of marketable honey. Do not treat later than 4 weeks before main honey flow.
Nosema	Bioclohexylammonium Fumagillin (Fumidil Dust)	2 gr/20 gal sugar syrup	Feed 2 gal of solution in fall or 1 gal in spring per colony. When only 1 or 2 colonies are to be treated, the medication may be made with 1 rounded tsp Fumidil B per gal sugar syrup.	Not fed before or during honey flow.
Small Hive Beetle	No labeled insecticides		The best defense against small hive beetle is a healthy honeybee colony. Using Crisco® patties for tracheal mite control may attract small hive beetles.	