

Honey Bee Colony Pests, Parasites and Disease Treatment Suggestions

Varroa Mites*

A large external parasite of adult and older larvae and pupae of developing honey bees. This is one of the most serious and potentially dangerous parasites of honey bees. All colonies of honey bees in North America can be assumed to have varroa mites.

Chemical treatment is to be used after the end of the honey flow in late summer or early fall.

Apivar:



A single application of two strips per brood chamber is sufficient to treat a hive, so you spend less time and effort treating your bees, and there is less disruption of the bees than with many other treatments. >6 week treatment<

Apiguard:



A slow release thymol gel, Apiguard is an effective treatment against Varroa mites. Easy to use full tray to place in hive. Most natural treatment available. >4 week treatment<

Apistan Strips:



Plastic strips impregnated with the miticide fluvalinate are hung between frames in the brood chamber. When used according to label directions, Apistan kills varroa mites without harming honey bees.

Adult Varroa Mite



Actual Size



Tracheal Mites*

A microscopic parasite mite that is so small that it can live and breed in the breathing tubes (trachea) of honey bees. Tracheal mites can weaken and kill honey bee colonies.

Chemical treatment is to be used after the end of the honey flow in late summer or early fall.



Tracheal Mite

Menthol:



The same natural material as found in mint plants. Menthol is effective in killing adult tracheal mites. Menthol is a natural desiccant which causes the microscopic tracheal mites to lose body fluids and die. Always follow label instructions. *Not available in California*

American and European Foulbrood*

Both of these bacterial diseases result in the death of developing honey bees. Chemical treatment is to be used only when these diseases are visually identified.

Tetra-Bee Mix:



A pre-mixed, ready to feed product containing the antibiotic Terramycin. Do not use during a honey flow for honey that is to be used for human consumption. Always follow label directions.

Tylan:



Tylan is a newly approved antibiotic for treatment of foulbrood in honey bees. Treat in Spring and Fall.

Nosema*

Nosema Apis is the name of the organism which causes diarrhea or dysentery in some overwintered honey bee colonies. Nosema disease quietly robs the colony of strength and vitality.

Chemical treatment is to be fed according to label directions in the fall or spring and for all package bees.

Fumagilin-B:



Contains the only registered antibiotic, fumagillin, effective in the control of *Nosema apis*. Fumagilin-B is effective in controlling nosema in both package bees or overwintering colonies when fed according to label directions in sugar syrup.

***For additional control suggestions, please call the nearest Dadant Branch office.**

Small Hive Beetle*

A small dark brown beetle that lives in honey bee colonies of some regions of North America. Its developing larvae, which can number in the thousands, are voracious honey and pollen eaters. These Small Hive Beetle larvae destroy all comb in their search for food.

Chemical treatment to be used when Small Hive Beetles are visible.

Beetle Jail Baitable:



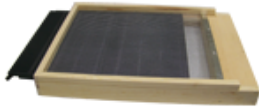
This in-hive re-usable trap comes with 3 trays to hold your favorite beetle bait, vegetable oil, or diatomaceous earth. Has a hinged lid for easy access to clean for re-use.

Cutts Beetle Blaster:



Retired Florida State Apiary Inspector Laurence Cutts has come out with this disposable beetle blaster. Similar to the AJ's beetle eater at a portion of the cost. Fill with a small amount of vegetable oil and put in between top bar frames. We suggest two per box when infestations are severe. Discard after each use.

Screened Bottom Board w/ West Beetle Trap Insert:



This is the same screened bottom you have seen for many years. We have added the option of purchasing it with or without the West Beetle Trap. The trap can be slid in underneath the screen from the rear of the hive and can be used without tearing the hive apart.



We're Here to Help!!

**For additional control suggestions, please
call the nearest Dadant Branch office.**

All Calls are Toll Free

Chico, CA	1-877-332-3268
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