

73291-1

11/9/2006

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Biopesticides and Pollution Prevention Division  
(7511C)  
1200 Pennsylvania Avenue NW  
Washington, DC 20460

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

EPA Reg. Number:

**73291-1**

Date of Issuance:

11/9/06

**Unconditional**

Term of Issuance:

Name of Pesticide Product:

**API LIFE VAR**

Name and Address of Registrant (include ZIP Code):

**Brushy Mountain Bee farm****C/O Michael Braverman****IR-4 Project headquarters, Rutgers, The State University of NJ****500 College Road East, Suite 201 W****Princeton, NJ 08540**

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

**This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) subject to the comments listed below:**

**1. Make the following label changes:**

- a. Add the phrase "EPA Registration No. 73291-1 to your label before you release the product for shipment.**
- b. Add the appropriate Establishment Number to your label before you release the product for shipment.**

**2. Submit five copies of the final printed labeling before you release this product for shipment.**

**If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions.**

Unconditional registration does not eliminate the need for continual reassessment of a pesticide. If EPA determines, at any time, that additional data are required to maintain in effect, an existing registration, the Agency will require submission of such data under Section 3(c)(2)(B) of FIFRA.

Signature of the Approving Official

Date:

11/9/06



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**API LIFE VAR**

FOR USE IN HONEYBEE COLONIES  
FOR THE SUPPRESSION OF VARROA MITES

Active Ingredient:	BY WEIGHT
Thymol .....	74.09%
Eucalyptus oil.....	16.00%
L-Menthol.....	3.73%
Other ingredients.....	6.18%
Total.....	100.00%

EPA Registration Number 73291-1

NET WEIGHT: Twenty Tablets (220g)

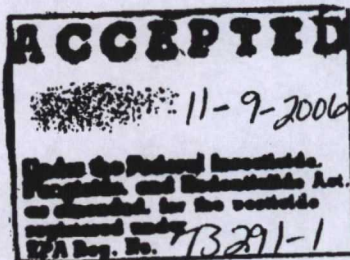
CHEMICALS LAIF  
Viale dell' Artigiano, 13  
35010 VIGONZA (PD) ITALY

Before using this product read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within 30 days of purchase to the place of purchase.

**KEEP OUT OF REACH OF CHILDREN****WARNING**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)





### **FIRST AID**

**If swallowed:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.

### **HOT LINE NUMBER**

Have the product container label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-233-7929 for information.

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **WARNING**

May be fatal if inhaled. Harmful if swallowed, absorbed through skin. Causes substantial but temporary eye injury, and skin irritation. Avoid breathing vapors. Do not get in eyes, on skin or on clothing. Use a NIOSH approved dust/mist filtering respirator (with any N,R,P or HE filter) when handling tablets. Wear protective eyewear (face shield) and chemical-resistant gloves [comparable beekeeping equipment (eg: beekeeping gloves, bee veil with goggles or safety glasses) and bee suits may be used as personal protective equipment]. Wash thoroughly with soap and water after the completion of activities that include handling this product and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.



**PERSONAL PROTECTIVE EQUIPEMENT (PPE)**

Applicators and handlers must wear:

1. Long-sleeved shirt and long pants
2. Socks and shoes
3. Chemical resistant gloves
4. Protective eye wear

**User Safety Recommendations:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE after the completion of operations that include handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards**

Do not contaminate water when disposing of tablets or bags

**Physical or Chemical hazards**

Combustible. Do not use or store near heat or open flames. Do not store above 86° F.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling..

**GENERAL USE INFORMATION**

The Api Life Var formulation of Thymol is formulated as an evaporating tablet. Tablets are sealed in polyethylene type bags. When used as directed Api Life Var provides suppression of Varroa mite in colonies of honey bees.

**Applications of Api Life Var may be made in any season (spring/summer/fall/winter) in which all applicable restrictions, precautions and directions for use must be followed.**

Do not use when honey supers are in place to prevent excessive residues in marketable honey or wax by unwanted residues. Use when daytime highs are between 64 and 95 degrees Fahrenheit. Do not apply the treatment when bees are robbing.

Colony Treatment (8 to 20 full- size Langstroth frames or equivalent)

Two treatments per year may be made. A treatment (3 tablets) consists of the following:

Take one pack and cut the pack in half lengthwise. Each half pack will contain two pieces that should equal one whole tablet. Each half will treat one colony. Break the two half tablets into two pieces and place the 4 pieces around the edge of the brood nest on top of the top bars. Avoid placing the tablets directly above the brood nest. After 7 to 10 days replace with a second fresh tablet broken into 4 pieces as above. Repeat procedure again with third tablet, 7-10 days later and leave last tablet for 12 days. After 12 days remove residuals from colony.



**RESTRICTIONS:**

Remove Api Life Var tablets from hive at least 1 month (30 days) prior to harvesting honey.

Do not use during honey flows.

Do not use when surplus honey supers are installed on the hives.

Do not harvest honey from brood chambers or colony feed supers.

Do not use Api Life Var At temperatures above 95 degrees.

**NOTES:**

- Use of Api Life Var is most effective when less sealed brood is present.
- At higher concentrations, Thymol residues may impart off-flavors to honey. To minimize residues, carefully follow all label directions and restrictions. The potential for off - flavors can be further reduced by increasing the PHI and/or by delaying the replacement of surplus honey supers after the treatment is completed.
- The use of Api Life Var at average daily temperatures below 54 degrees may result in less control of Varroa mites.
- The use of Api Life Var at higher than recommended temperatures over (95degrees) may increase the potential for brood or bee mortality. Closely adhering to the label directions will minimize adverse effects. The benefits of Varroa mite control will usually greatly exceed the effects of limited mortality. However, since not every possible combination of colony and environmental conditions have been replicated in experimental trials, beekeepers should follow all directions and monitor colonies for unusual conditions or signs of colony stress.
- For best results, the colony should be as compact as possible during treatment. Combine weak colonies before treatment.
- Apply Api Life Var during the coolest time of the day either in the early morning or evening.
- Close up screened bottom boards and make colonies as tight as possible by reducing entrances and any other openings that exist.

**STORAGE AND DISPOSAL****DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.**

**PESTICIDE STORAGE:** Store in original containers in cool, dry, isolated, well-ventilated area away from heat, sparks, and open flame. Do not eat, drink, or smoke in areas of use or storage. Do not store in houses or other areas where vapors could accumulate. API LIFE VAR is not affected by freezing, so it may be stored in unheated areas.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide is a violation of Federal Law. If pesticide cannot be used according to label instructions and must be disposed of, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Do not reuse empty pouch. Offer for recycling or dispose of in sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.



**CONDITIONS OF SALE AND WARRANTY**

Chemicals Laif makes no warranty or guarantee of any kind, expressed or implied, concerning effects of use of this product, other than those specified on this label. Buyer or user accepts all responsibility for results due to misuse or improper handling of this product.