



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Biopesticides and Pollution Prevention Division (7511M)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

94413-3

Date of Issuance:

12/1/2023

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

VARROXSAN™

**Name and Address of Registrant (include ZIP Code):**

Vita Bee Health Limited  
 1 Castlewood Avenue  
 Rathmines, Dublin 6 D06 H685

**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 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 U.S. Environmental Protection Agency. In order to protect health and the environment, the Administrator, on his or her 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 the 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 section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

Andrew Bryceland, Team Leader  
 Biochemical Pesticides Branch  
 Biopesticides and Pollution Prevention Division (7511M)  
 Office of Pesticide Programs

Date:

12/1/2023

2. Make the following labeling change before you release this product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 94413-3."
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 11/10/2023.

If you have any questions, please contact Gina Burnett via email at [burnett.gina@epa.gov](mailto:burnett.gina@epa.gov).

Sincerely,



Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511M)  
Office of Pesticide Programs

Enclosure

# [VARROXSAN™]

EPA REG. NO: 94413-XX

- This labeling must be in the possession of the user at the time of application.
- Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label.

## SUSTAINED-RELEASE FIBER STRIP FOR CONTROL OF VARROA MITES ON BEES

Active Ingredient: Oxalic Acid Dihydrate: ..... 18.42%  
Inert Ingredients: ..... 81.58%  
TOTAL: ..... 100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER-PELIGRO**

**POISON**



### FIRST AID

If swallowed	<ul style="list-style-type: none"><li>- Call a poison control center or doctor immediately for treatment advice.</li><li>- Have person sip a glass of water if able to swallow.</li><li>- <b>DO NOT INDUCE VOMITING</b> unless told to by the poison control center or doctor.</li><li>- Do not give anything to an unconscious person.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>- 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.</li><li>- Call a poison control center or doctor for advice.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>- Take off contaminated clothing.</li><li>- Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>- Call a poison control center or doctor for advice.</li></ul>
If inhaled	<ul style="list-style-type: none"><li>- Move person to fresh air.</li><li>- If person is not breathing, call 911 or an ambulance, then give artificial respiration, if possible. DO NOT use mouth-to-mouth method if victim ingested or inhaled the substance, use respiratory medical device.</li><li>- Call a poison control center or doctor for advice.</li></ul>

**ACCEPTED**

**12/01/2023**

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under

EPA Reg. No. 94413-3

Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Website: [www.npic.orst.edu](http://www.npic.orst.edu)).

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Provide general supportive measures and treat symptomatically. Treatment should be rapidly instituted by giving a dilute solution of calcium lactate, limewater, finely pulverized chalk, plaster, and/or milk to supply large amounts of calcium to inactivate oxalate by forming an insoluble calcium salt in the stomach. Gastric lavage is controversial, since this may compound an already severe corrosive lesion in the esophagus or stomach. However, if used, gastric lavage should be done with limewater (calcium hydroxide). Intravenous gluconate or calcium chloride solutions should be given to prevent hypocalcemic tetany; in severe cases parathyroid extract also has been given. Additionally, acute renal failure should be anticipated, and careful fluid management is necessary. Metabolically its toxicity is believed to be due to the capacity of oxalic acid to immobilize calcium and thus upset the calcium-potassium ratio in critical tissues. Effective therapy against burns from oxalic acid involves replacement of calcium.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Fatal if inhaled. Do not breathe (dust, vapor, or spray mist). Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter. Remove and wash contaminated clothing before reuse. Corrosive. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin, or on clothing. Wear chemical resistant gloves and protective eyewear (goggles or face shield). May be fatal if swallowed. Harmful if absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### PERSONAL PROTECTIVE EQUIPMENT:

#### Handlers and Applicators who apply product must wear:

- Long-sleeved shirt and long pants ,
- Socks and shoes
- Chemical resistant gloves (barrier laminate, butyl rubber ≥14 mils., nitrile rubber ≥ 14 mils., neoprene rubber ≥ 14 mils., natural rubber ≥ 14 mils., polyethylene, polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils.)
- Protective eyewear (goggles or face shield)
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter

#### User Safety Requirements:

- Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions are provided for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

## DIRECTIONS FOR USE

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

VarroxCsan™ is a sustained-release fiber strip designed™ for use in beehives to control the parasitic mite

(Varroa destructor) on honey bees.

EXTENDED-RELEASE METHOD PERMITTED WITH HONEY SUPERS ON.

FOR USE WHEN THE VARROA DESTRUCTOR INFESTATION REACHES A LEVEL THAT WILL AFFECT THE HEALTH OF THE COLONY IF LEFT UNCHECKED. APPLICATION COULD BE SPRING, SUMMER, OR FALL. THE TREATMENT MUST BE SEPARATED BY AT LEAST ONE CHAMBER FROM ANY HONEY TO BE EXTRACTED.

**How to determine when treatment is necessary?** Use an alcohol wash of about 300 nurse bees collected off of a brood frame and determine the percentage of varroa mite infestation. Treat once the infestation reaches 1-2%.

**For varroa treatment** -. Use 4 VarroXSan™ strips per brood chamber (i.e., one strip per 2.5 Frames of Bees - FoB).

# FoB	0 - 2.5	3 - 5	6 - 7.5	8 - 10
# strips	1	2	3	4

Take the appropriate number of strips from the pack, fold in half and hang each strip over one comb frame inside the brood area or the bee cluster, with a minimum distance of 2 frames between strips, for example, one strip in frames 2, 4, 6, 8. Hang VarroXSan™ strips in the brood chamber in such a way that the bees can walk on the strips, slightly away from the surface of the frames. Leave the strips inside the hive from 42 days to 56 days, and then remove. If, after 42 days bees are not in contact with the strips, reposition the strips closer to the cluster. Strips must be removed after a maximum of 56 days. DO NOT re-use the strips.

**Timing:**

Hang VarroXSan™ strips in the hives in the spring-summer and/or the Fall if varroa mite infestations have reached treatment threshold.

**USE RESTRICTIONS**

- For in-hive use only. Maximum rate = 4 strips per brood chamber per application (i.e., one strip per 2.5 Frames of Bees - FoB).
- Strips must be removed after a maximum of 56 days.
- Do not re-use strips.

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