

2013-1617  
2016-11-23



*Carton*

GROUP	<b>3</b>	INSECTICIDE
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Bayvarol®

Beehive Pest Control Strip

Insecticide

Impregnated material

for control of varroa mites in honey bee colonies.

COMMERCIAL

GUARANTEE: Flumethrin sum of the trans-Z isomers .....3.6 mg per strip

REGISTRATION No. 32503 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND INSERT BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 20 Strips

Bayer Inc.  
2920 Matheson Blvd East  
Mississauga, Ontario  
L4W 5R6

1 888 663 5326

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Bayvarol is a sustained release plastic strip designed for use in beehives to control parasitic mites (*Varroa destructor*) on honey bees

**DIRECTIONS FOR USE:** Read the enclosed insert for complete DIRECTIONS FOR USE.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.** Wear long-sleeved shirt, long pants, chemical-resistant gloves (e.g., nitrile gloves), socks and shoes when handling the strips. Leather beekeeping gloves must not be worn when handling this product. Wash hands thoroughly with soap and warm water after removing gloves.

Do not expose honey intended for human consumption directly to Bayvarol Strips. After treatment, do not use beeswax for human consumption. Flumethrin is toxic to fish. Do not contaminate aquatic systems by storage or disposal of Bayvarol strips.

Do not use strips while honey supers are present on the beehives.

If this pest control product is to be used on a commodity that may be exported to the U. S. and you require information on acceptable residue levels in the U. S. visit CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca)

#### **FIRST AID:**

**If ingested:** Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

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

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

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

#### **ENVIRONMENTAL HAZARDS**

**TOXIC** to aquatic organisms. **DO NOT** contaminate irrigation or drinking water supplied or aquatic habitats by disposal of used strips and packaging.

**STORAGE:** Keep strips in original, unopened package until ready to use. Do not store above 25°C. Do not store unused strips in anything but original package. Do not store unused strips

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near pesticides or other chemical substances that could contaminate the strips and result in bee toxicity. Do not contaminate food, feed or water by the storage and/or disposal of this product.

**DISPOSAL:** Do not reuse the strips or empty packaging. Dispose of packaging (foil wrap) and the used strips in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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*Insert*

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L4W 5R6

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#### DIRECTIONS FOR USE:

Bayvarol strips are intended for in-hive use for control of parasitic mites (*Varroa destructor*) on honey bees. Normally developed colonies receive a maximum of four strips per brood chamber. Nuclei and young colonies and newly collected swarms receive two strips.

Remove honey supers before application of Bayvarol strips. Just before application, remove the required number of Bayvarol strips from the pouch(es). Unused strips should remain in original packaging.

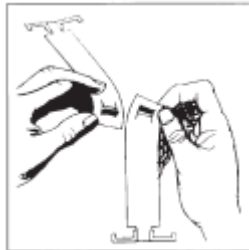
Distribute strips over the central bee space in each brood chamber. Strips are suspended into the spaces between frames in the central brood rearing area in such a way that they can be occupied by bees on both sides. Both tabs are bent outwards in the same direction at the marked fold lines and hooked over the top edge of the wooden frame (see Fig. 1).

For large colonies occupying more than one brood chamber, strips can be joined together end-to-end which enables their insertion into and removal from the bee spaces without having to separate the brood chambers (see Fig. 2).

Fig. 1



Fig. 2



Strips are not to be used during honey flow periods. Remove Bayvarol Strips from the colonies after a six week (42-day) treatment period.

Best efficacy is to be expected when Bayvarol Strips are used in late summer after the honey harvest. To ensure effective treatment, varroa mites should be monitored for resistance prior to applying Bayvarol strips.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Bayvarol Beehive Pest Control Strip contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Bayvarol Beehive Pest Control Strip and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same location.

Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of Bayvarol Beehive Pest Control Strip or other Group 3 insecticides with different groups that control the same pests.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Correctly identify the pest and ensure economic and agronomic thresholds are met before treatment.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Bayer Inc., Animal Health via the internet at [www.animalhealth.bayer.ca](http://www.animalhealth.bayer.ca) or phone at 1 888 663 5326.

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®TM see [www.bayer.ca/tm-mc](http://www.bayer.ca/tm-mc)

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*Foil Pouch*

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NET CONTENTS: 4 Strips

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