

### **Directions of INS FLUVA Strips**

Veterinary OTC Medicine for External Use

【Generic Name】Fluvalinate Strip 【Proprietary Name】INS FLUVA 【Composition】Tau-fluvalinate 【Molecular Formula】C<sub>26</sub>H<sub>22</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>3</sub> 【Structural Formula】

【Description】It occurs as a yellow to orange strip, slightly foul odor.

### 【Pharmacological Actions】

The said product has contact and stomach toxicity and is not volatile. Fluvalinate can act on the nervous system of varroa mites, which passes through specific receptors or is dissolved in the membrane, alters the permeability of synaptic membrane to ions, selectively acts on sodium channel of the membrane, delays the closure of channel valve, causes NA+ continuing to flow inward, and results in excessive excitation, spasm, and paralysis to death finally. After hanging strips for half an hour, it comes into effect. During no-brood period, medicine applying time may be adjusted from 21 to 28 days to reach a thorough elimilation of varroa mites, which is a long-acting product. During brood period please extend medicine applying time.

【Drug Interaction】 Do not use it with other pesticides or alkaline drugs because it may be invalid.

[Indication] Miticide, which is used to kill and control varroa mites.

### 【Dosage & Administration】

- 1. Hanging Method: Hang the strip between two comb frames just over the beehive entrance or between two comb frames diagonally. Apply 1/2~1 strip to beehive with less than 4 comb frames; Apply 1~2 strips to beehive with 4~8 comb frames; Apply 2 strips to beehive with more than 8 comb frames. Apply the strips one more time after 5~7 days. Applying medicine 3~4 times is a course of treatment.
- 2. Trial is required. Choose 3 or 5 bee colonies for trial before applying to the whole colonies. Make a specific medicine using plan after observing 24~48 hours of the trial. It's better to conduct the trial in the morning of sunny day and adjust dose according to actual situation. Increase or reduce dose or medicine applying time on the condition that there are step hives, less comb frames or severe varroa mites disease.



#### [Adverse Reactions]

This product has no obvious adverse reactions to healthy bee colonies; It may cause crawling bees for bee colonies with poor natural resistance (such as Megachile), or unhealthy bees, sensitive bee colonies, and bees at different developmental stages with differences in drug-resistance. After taking medicine, observe for several hours and take some necessary actions.

#### [Precautions]

- 1. Please air-dry the strips in the shade for 24~48 hours if you find the strips are wet or sticky to each other. Strips can be come into use when there's no stickiness to fingers, otherwise it may cause harm to bees. Please do not place it under the Sun, otherwise the efficacy will be greatly decreasing.
- 2.Do not use this product when temperature is above  $35^{\circ}$ C or below  $15^{\circ}$ C. The product is not recommended to be applied to the situation such as migratory beekeeping, the beginning of hiving bee colonies, sugar deficiency for bees or other abnormal situation .
- 3. The said product can not be applied to bee colonies that have been fed with alkaline pollen such as China camellia pollen or other alkaline medicines and products recently or in the period of camellia collection.
- 4. The strips should not be placed continuously in beehive for more than 6 weeks.
- 5. When one decides to hang strips, please wear protective gloves and mask. Wash hands after use.
- 6. Disused strips should not be reused and should be disposed in a centralized place.
- 7. The strips are prohibited from contact with edible honey and should not be stored together with pesticides or other chemicals.
- 8.Store the said product somewhere away from food and children's reach and only unpack the packet when it is near to use.
- 9.Do not use this product during honey flow period.

[Withdrawal Time] It is not requried to be determined.

【Specification】40 mg/strip.

[Shelf Life] 4 years.

[Storage] Keep it sealed and away from light

[Manufacturer] Sichuan Lingman Biotechnology Co.,Ltd.

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## **Introduction to Graphical Method**





# Product Detail Product Name ----- Ins Fluva Fluvalinate 20-Strip Generic Name ------ Fluvalinate Strip Brand ----- Apibuzz Packing Size ----- 20 Strips/Packet Strip Size -----21cm x 2cm Active Content ------Tau-Fluvalinate Efficacy ----- The said product is economic type for prevention and treatment of mild bee varroa mite disease.-Does no harm to bees - 4 Years Inner Bag 2cm 21cm Hole Design for Hanging Middle Cutting Line Design (It helps you change dosage, if you need.)





## **Dosage & Administration**

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STEP 2



## (!)

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