

## **Directions of SALUD-BEE**

OTC Veterinary Drug for External Use

Generic Name: Tau-fluvalinate Solution

Brand Name: SALUD-BEE

Chemical Name: (RS)- $\alpha$  -cyano-3-phenoxybenzyl N-(2-chloro- $\alpha$ ,  $\alpha$ ,  $\alpha$  -trifluoro-p-tolyl) -D-valinate Molecular Formula: C<sub>26</sub>H<sub>22</sub>CLF<sub>3</sub>N<sub>2</sub>O<sub>3</sub> Molecular weight: 502.92

Structural Formula ] F<sub>2</sub>C H<sub>2</sub>C CH<sub>3</sub>

[ Description ] It occurs as a light yellow clear liquid.

[Pharmacological Action] This product is a specialized acaricide designed to target bee mites. Its primary mode of action is on the insect nervous system, specifically affecting tau-fluvalinate. It may also impact olfactory organs and other chemical receptors, leading to avoidance behaviors in insects. The mechanism of action is similar to other pyrethroid insecticides. With both contact and stomach poison effects, this product exhibits a kill rate of over 90% against Varroa destructor and tropilaelaps clareae. It takes effect within a few hours of application, causing mites to detach from bees and perish within 24 hours. Importantly, this product is safe for bees, with no adverse effects on the three types of bees' lifespan, and it poses low toxicity to humans and livestock

[Indications] Used for the prevention and treatment of bee mite disease.

## [Dosage & Administration]

Mix 1 ml of the solution with 2000-3000 ml of water and adjust the spray nozzle to a 45-degree angle, ensuring a fine mist is sprayed onto the surface of the bees. For every 100 bee frames, use 1000 ml of the diluted mixture. Administer the spray once every three days, and for a complete treatment, apply 3-4 consecutive sprays at the specified intervals.

[Drug Interactions] Degradation will occur when mixed with alkaline pesticides.

[ Adverse Reactions ] It is toxic to silkworms and fish.

[Precautions]:

- 1. Dilute with pure water and use immediately.
- 2. When spraying, wear protective gloves and a mask; do not smoke, eat or drink water, and wash hands after spraying.
- 3.Discarded packaging should be collected and disposed of centrally.
- 4. Store in a place that is far away from food and out of the reach of children.

[Withdrawal period] It is prohibited during the honey flow period.

【Content Specification】 20%

[Package Specification] 50ml/bottle [Shelf Life] 3 years

【Storage Method】 Store in a sealed, cool, and dry place.

[Manufacturer] Sichuan Lingman Biological Technology Co., Ltd.

【Address】No.10, Yugui Road, New District, Ecomomic Development Zone, Meishan City, Sichuan Province, China

[Sales Company] Chengdu Flybee Trading Co.,Ltd.

[Website] www.fly-bee.com



## **Introduction to Graphical Method**











 Generic Name
 Tau-Fluvalinate Solution

 Content
 20% EW

 Description
 It occurs as a light yellow clear liquid.

 Specification
 50ml/Bottle

 Shelf Life
 3 Years

 Storage
 Keep in a closed and cool place.

Usage & Dosage

Mix 1ml with 2000-3000ml water. The spray nozzle of the sprayer should be at a 45-degree angle to the honeycomb, and it is recommended to spray a thin mist on the surface of the bees. 1000ml is used for 100 bee frames. Spray once every three days, and 3-4 consecutive sprays constitute one treatment.

Pharmacological Action This product is a specialized acaricide designed to target bee mites. Its primary mode of action is on the insect nervous system, specifically affecting tau-fluvalinate. It may also impact olfactory organs and other chemical receptors, leading to avoidance behaviors in insects. The mechanism of action is similar to other pyrethroid insecticides. With both contact and stomach poison effects, this product exhibits a kill rate of over 90% against Varroa destructor and tropilaelaps clareae. It takes effect within a few hours of application, causing mites to detach from bees and perish within 24 hours. Importantly, this product is safe for bees, with no adverse effects on the three types of bees' lifespan, and it poses low toxicity to humans and livestock.