

> Key rules for an effective treatment



**There is no temperature constraint when using Apivar:**  
It can be used in any season when the supers are not placed on the hives.



**Leave strips in the hive for a minimum of 6 weeks.**  
Do not re-use the strips. Remove the strips after the treatment.

> To enhance Apivar's efficacy

**Treat all of your colonies simultaneously to avoid re-infestation.**



**Respect the dosage of 2 strips per deep brood box full of bees:**

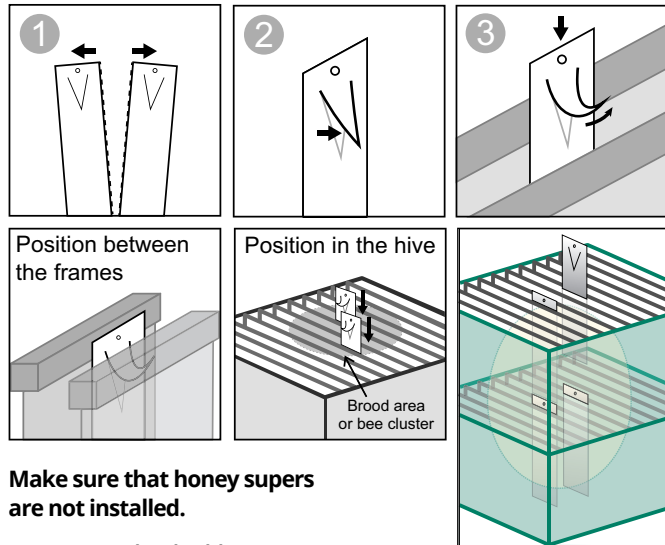
- Effectiveness is impaired with a lower dose.
- A higher dose may increase the risk of leaving residues.

Colony size	Single	Double
Number of strips	2	4

**Reposition and scratch the strips if necessary (see page 2).**

**All the strips must be used after the opening of the sachet.**

> Using Apivar



**Make sure that honey supers are not installed.**

- Separate the double strip.
- Push the strip's V-shaped die-cut outside.
- Push each strip between the head of two frames inside the brood area or the bee cluster with a minimum distance of 2 frames between strips. The strips should be placed in such a way that the bees can have free access to both sides.

*Alternatively, the strips can be hung by the hole in the V-shaped die-cut, using a small clove or toothpick fixed on the frame.*



**Respect the duration of treatment:**

To avoid encouraging the development of resistance, do not leave the strips in place throughout the winter season.



**1 single application**  
**Long period of protection**

## > How to observe the efficacy of Apivar

### > Apivar's slow-release technology

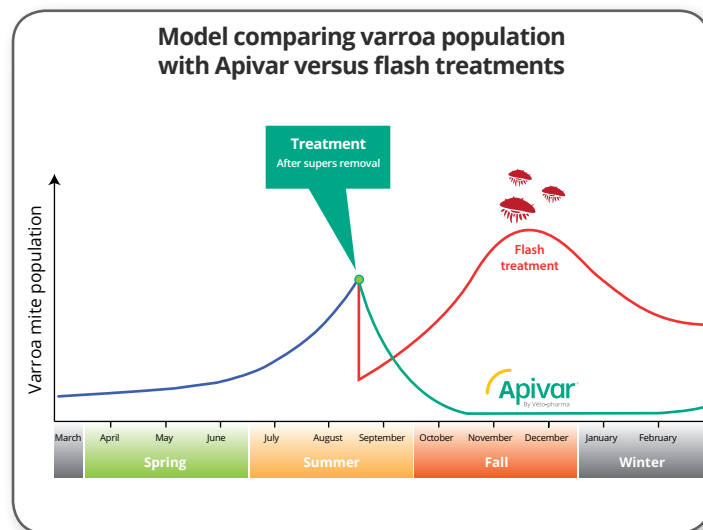
- No knock-down effect: it is normal not to always see a high fall in the first days of the treatment.
- Varroa fall rises through the duration of the treatment.
- At the end of the treatment, Apivar efficacy is up to 99%.\*

\*Efficacy tests: Anti-varroa treatments - FNOSAD [National Federation of Departmental Apiarian Health Organizations] - 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016 - France

The plastic polymer of Apivar strips has been developed to continuously release amitraz over all the duration of a 6 week treatment, killing several successive generations of Varroa mites.

Therefore, Varroa falls in the beginning of Apivar treatment may be lower than in a flash treatment. This is normal, and does not mean the treatment is ineffective.

As illustrated by the chart on the right, flash treatments may seem effective in the beginning of the treatment but do not control the overall infestation of the colony. **A long-acting treatment like Apivar kills several successive generations of Varroa mites during the treatment period.**

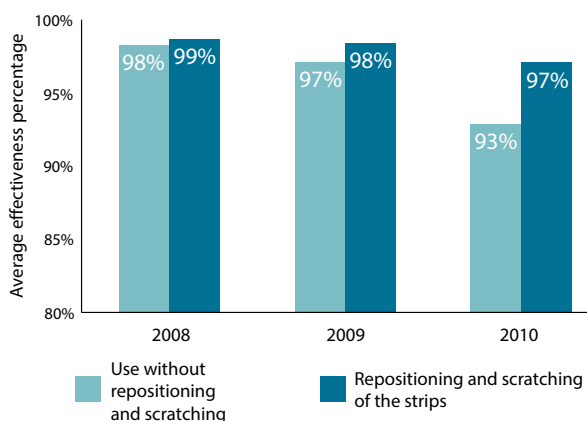


## > Repositioning and scratching the strips to improve Apivar efficacy

As shown by the results of a study conducted by the French Association for the Development of Provincial Apiculture (ADAPI), repositioning of the strips and scratching them during treatment can improve Apivar efficacy. ADAPI compared the effects of an Apivar treatment with and without the repositioning of strips; the Apivar strips were scratched using the hive tool and repositioned in the cluster at mid-treatment.

As showed by the chart below, efficacy is improved after the repositioning of the strips.

### Results of ADAPI study on the repositioning of strips



Reference - ADAPI (2012). Efficacité des médicaments AMM dans la lutte contre varroa, focus sur L'APIVAR®. La lettre du développement apicole en Provence N°23 Janvier 2012  
\*Association pour le Développement de l'Apiculture Provençale, or Association for the Development of Provincial Apiculture



### In case of heavy infestation

During heavy infestation, the strips can be left for up to 56 days, but must be removed after this period.

### A question about Apivar?

Phil Craft Vétô-pharma's U.S. Technical manager, can answer your questions. Contact him at [phil.craft@vetopharma.com](mailto:phil.craft@vetopharma.com)

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