

### Dosage rate

Use 2 Apivar® strips per brood chamber or 1 Apivar strip per nuclei. Hang each strip within two frames from the edge of the cluster e.g. between frames 3 and 4 and between frames 7 and 8. Apivar® strips are suspended in the brood chamber in such a way that the bees can walk on both sides of the strips. Dose must not exceed the stated dose rate in a fully populated hive.

|                  | Nuclei | Single | Double  |
|------------------|--------|--------|---------|
| Number of frames | ≤ 5    | 6 - 10 | 11 - 20 |
| Number of strips | 1      | 2      | 4       |

If possible, strips should be checked halfway through the treatment interval. If it is noted that the bee cluster has moved away from the strips, reposition the strips into the bee cluster.

### Timing



Apivar® is an effective treatment in both the Spring and the Autumn. Start the treatment in early Spring before the first honey flow; if Apivar is used in the autumn, strips are not to be placed until after all supers containing honey intended for human consumption have been removed. **Do NOT use Apivar® while honey supers are present.** Recycling of brood frames as honey frames is not advised.

### Duration



The strips must remain in the hive for the full 6-10 week treatment period. Treatment strips must be removed after a maximum of 10 weeks of use. Do NOT re-use the strips.

### Withholding period for honey collection:



All strips must be removed prior to honey flow. Brood frames treated with Apivar should not be moved into honey supers. Apivar must not be used while honey supers are present.

### Resistance management:

Intensive use of Apivar® could result in the development of resistant strains of mites. To minimise this risk use Apivar® strictly in accordance with the label directions. DO NOT use Apivar for two consecutive treatment periods. It is recommended to alternate the use of Apivar® with products from other chemical groups.

### Strip disposal:

Dispose of strips and empty packaging in a suitable landfill. Strips must not be discarded where they may come in contact with, or be consumed by, food-producing animals.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels of Agricultural Compounds.**  
**Honey produced for human consumption must not be collected during treatment or within 14 days of the removal of treatment strips.**



1 single application  
Long period of protection

## > How to observe the efficacy of Apivar

### > Apivar's controlled-release technology

- Varroa fall rises through the six to ten week treatment period.

- At the end of the 6 to 10 weeks, 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 the Apivar strips has been developed to continuously release amitraz over the full 6 to 10 week treatment period; 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 and unstable 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 6 to 10 week treatment period. As a result, the colony remains cleaner for longer.**

Apivar's controlled-release technology is activated once the vacuum pack is opened. All Apivar strips must either be used or appropriately disposed of, as per the directions. Do not attempt to reseal nor repackage strips.

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

Repositioning of the strips and scratching them during treatment can improve Apivar efficacy.

Apivar works by contact only. It is very important to position the strips in an area of high bee activity, typically in the center of the bee cluster. This ensures that bees will come in frequent contact with the strips, thereby distributing amitraz throughout the hive.

To ensure an effective treatment, it is also important to respect Apivar dosage. If a reduced number of strips is used, bees will have less contact with amitraz, and the treatment may not be effective.

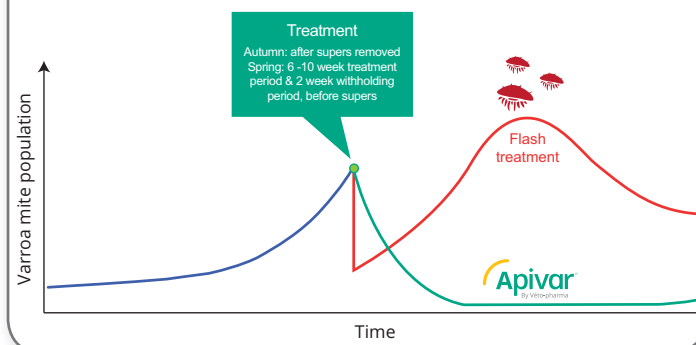
If possible, strips should be checked halfway through the treatment.

If it is noted that the bee cluster has moved away from the strips, reposition the strips into the bee cluster.

If the bees apply propolis or beeswax to the strips, scratch with a hive tool and reposition the strips into the bee cluster.



### Model comparing the controlled-release technology of Apivar versus flash treatments



### In case of heavy infestation

During heavy infestation, the strips can be left for up to 10 weeks, but must be removed after this period.

### A question about Apivar?

The New Zealand Beeswax customer service team, can answer your questions. Contact them at: [info@beeswax.co.nz](mailto:info@beeswax.co.nz) or 03 6939189