



Safety and overdose

The safety of Apivar has been proven at up to 5 times the recommended dose.



Apitraz

“After 1.5 times the recommended therapeutic dose for 10 weeks, **no adverse effects were observed on bees.**”

“After 5 times the recommended therapeutic dose for a period of 6 weeks, the colonies tend to form clusters but **no other effects were observed.**”¹

“At 1.5 times the recommended dose, administered during a period of 8 weeks, **a small increase of bee mortality has been observed.**”²

“**The safety profile of the product has not been established in weak colonies**, namely colonies containing a population of bees lower than expected for this time of year.”³



Composition

The only excipient of Apivar is the plastic strip, fully removed at the end of treatment.

Apitraz contains 8 excipients.



Apitraz

“Copolymer of ethylene and vinyl acetate.”⁴

1. Poly(ethylene-vinyl acetate)
2. Styrene-Butadiene block copolymer
3. Paraffin liquid
4. Calcium magnesium carbonate
5. pentaerythritoltetrakis [3-(3,5-di-tert-butyl-4-hydroxy-phenyl) propionate]
6. Didodecyl 3,3'-thiodipropionate
7. Erucamide
8. Ultra-high molecular weight Siloxane polymer, dispersed in polypropylene homopolymer.”⁵



Origin

Apivar: A result of French know-how



Apitraz

Apivar is a medicine **manufactured in France with an active substance from France**

Origin of manufacture **not disclosed to the user**



Shelf life and stability

Apivar can be stored 12 months longer than Apitraz.



Apitraz

2 years⁶

1 year⁷

Apitraz must be stored under 25 °C



“Store at a temperature not exceeding 30 °C.”⁸

Apitraz

“Store at a temperature not exceeding 25 °C.”⁹



Treatment duration

The safety of Apivar allows a more flexible use of 6 to 10 weeks of treatment without risk for the colony.



“The strip **CAN** be left after 6 weeks of treatment. In the presence of a brood, leave the strips during 10 weeks and remove them at the end of the treatment.”¹⁰

Apitraz

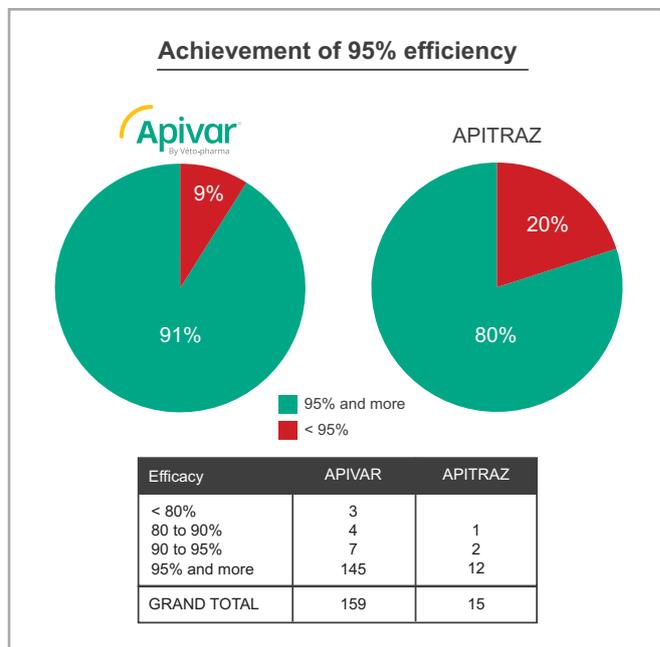
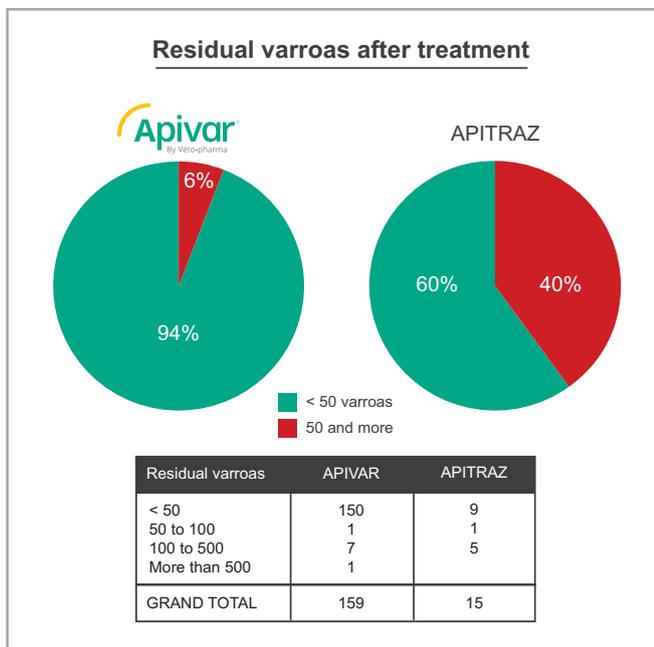
“The strips **MUST** be removed after 6 weeks of treatment.”¹¹



Apivar is a reliable product:
Two independent long-term studies in France show an average 97.7% efficacy.¹²⁻¹³

Best results of efficacy for Apivar during a comparative study with apitraz¹⁴

In a national efficacy study in France, the efficacy of Apivar was 98% versus 96%¹⁴ for Apitraz. Apivar was more effective in the number of residual varroas at the end of treatment, as well as in the success rate of the treatment (95% efficiency according to the European guidelines).



Efficacy tests: Anti-varroa treatments - FNOSAD - 2016¹⁴
Efficacy tests conducted in France with 5 anti-varroa treatments, on 256 colonies.

REFERENCES:

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- 3 - RCP Apitraz paragraphe 4.5 <http://www.ircp.anmv.anses.fr/rcp.aspx?NomMedicament=APITRAZ+500+MG+LANIERE+POUR+ABEILLES>
- 4 - RCP Apivar paragraphe 6.1 <http://www.ircp.anmv.anses.fr/fiche.aspx?NomMedicament=APIVAR>
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- 12 - Résultats des suivis des traitements avec Apivar à l'ADAPI entre 2004 et 2015 – ADA France INFOS – Janvier 2016
- 13 - Etude d'efficacité des médicaments Varroa – FNOSAD – 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014 et 2015. La Santé de l'Abeille, numéros 226, 231, 237, 243, 249, 256, 261, 267, 273.
- 14 - Etude d'efficacité des médicaments Varroa – FNOSAD – 2016. La Santé de l'Abeille, numéros 279, 5-6/2017

APIVAR® 500 mg Amitraz Bee-hive strips for honey bees. Indication(s) for use: Treatment of varroosis due to *Varroa destructor* sensitive to amitraz in honey bees. **Contraindication(s):** Do not use in case of known resistance to amitraz. **Withdrawal period(s):** Honey: zero days. Do not use during honey flow. Do not extract honey from the brood chamber. Do not harvest honey when the treatment is in place. Brood combs should be replaced with new foundation at last every three years. Do not recycle brood frames as honey frames. Read carefully the instructions on the product booklet label before use. **Special precautions to be taken by the person administering the veterinary medicinal product to animal:** This veterinary medicinal product contains amitraz which can lead to neurological side-effects in humans. Take particular care in case of concomitant treatment with monoamine oxidase inhibitors, hypotensive treatment or if you have diabetes. Amitraz may cause skin sensitization. Avoid contact with skin. In case of contact, wash thoroughly with soap and water. Avoid contact with eyes. In case of contact, rinse with plenty of water immediately. Usual beekeeping protective clothes including impervious gloves should be worn when handling the product. Do not eat, drink or smoke whilst handling the product. Keep children away during application of the product. Wash hands after use. Do not inhale or ingest. If side effects are noted, seek immediate medical assistance and show the label to the physician. v0917. **Apivar is a veterinary medicinal product. Please ask advice to your veterinarian, pharmacist or sanitary organization. In case of persistence of clinical signs, consult with your veterinarian.**