

Api-Bioxal

ADVANTAGES

- ✓ High quality standard
- ✓ Full safety for the consumer, bees and beehive products
- ✓ High EFFECTIVENESS AND TOLERABILITY
- ✓ Allowed in organic beekeeping
- ✓ Powder easily soluble in sugar solution at room temperature
- ✓ Double possible ways of administration (by trickling and vaporisation)

PACKAGING



- API-Bioxal bag 35g (for the treatment of 10 beehives)*
- API-Bioxal bag 175g (for the treatment of 50 beehives)*
- API-Bioxal bag 350g (for the treatment of 100 beehives)*

*considering 10 frames full of bees (administration by trickling)

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Api-Bioxal

Acaricide soluble powder based on Oxalic Acid against Varroa



Api-Bioxal is an acaricide soluble powder based on **oxalic acid** for the fight against Varroa.

OXALIC ACID is one of the most common and best natural acaricides used against varroa.

Api-Bioxal is authorised in Italy like Veterinary Medicine.

The product could be used as a treatment among others within an Integrated **Pest Management program**; **API LIFE VAR®** (Thymol, Menthol, Eucaliptus, Menthol) and **APIBIOXAL** used in different periods of the year assure an excellent control of the varroa infestation during all the year.

PHARMACEUTICAL FORM

Acaricide soluble powder
100 g of product contains 88,60 g of **Oxalic Acid Dihydrate** (Active substance)

PERIOD OF USE

The Oxalic acid works best on colonies that are broodless. The presence of brood may reduce noticeably the efficacy of API-Bioxal.

ADVICE FOR USE

- To obtain a higher efficacy, use the product in colonies broodless.
- Do the treatments without supers.
- All colonies in the same apiary should be treated simultaneously to avoid reinfestations.
- When handling powder product (both during vaporisation phase and pre-treatment phases) wear protective mask type FFP2, gloves and protective glasses.
- Do not use simultaneously with other acaricides.
- Possible overdose can trouble the future colonies development.

SAFE PRODUCT

Oxalic acid, the active ingredient of API-Bioxal, is a natural honey constituent and its concentration in honey depends on the botanical source. No increase of oxalic acid residues over the natural content of honey is to be expected as a consequence of proper API-Bioxal administration.

Oxalic acid is NOT subjected to a maximum residue limit (MRL) in the honey (Reg. UE n° 37/2010 Tabella 1)
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WITHDRAWAL PERIOD

Honey: Zero days

Organic beekeeping

Api-Bioxal is allowed in organic beekeeping (Reg. CEE 2092/91 and following modifications).

EFFECTIVENESS

Api-Bioxal ensures HIGH EFFECTIVENESS (see graphics) and GOOD TOLERABILITY for bees

POSOLOGY AND METHOD OF ADMINISTRATION

A) Posology and method of administration by trickling:

Open the sachet of API-Bioxal and dissolve all the powder in the indicated amount of syrup (water and sucrose in a 1:1 ratio).

- API-Bioxal bag 35g: dissolve in 500 ml of syrup.
- API-Bioxal bag 175g: dissolve in 2.5 l of syrup.
- API-Bioxal bag 350g: dissolve in 5.0 l of syrup.

The treatment should be made in a single administration, dropping the solution on the frames with a syringe, **in dose of 5 ml** for frame full of bees.



Administration by trickling

B) Posology and method of administration by vaporisation

- Fill with 2.3 g of API-Bioxal the pan of the vaporizer
- Seal the entrance of the hive to avoid escape of bees and smoke.
- Power the vaporizer following the manufacturer's directions for about 3 minutes and keep the hive shut for another 10 minutes.
- Cool down and clean the vaporizer after every use

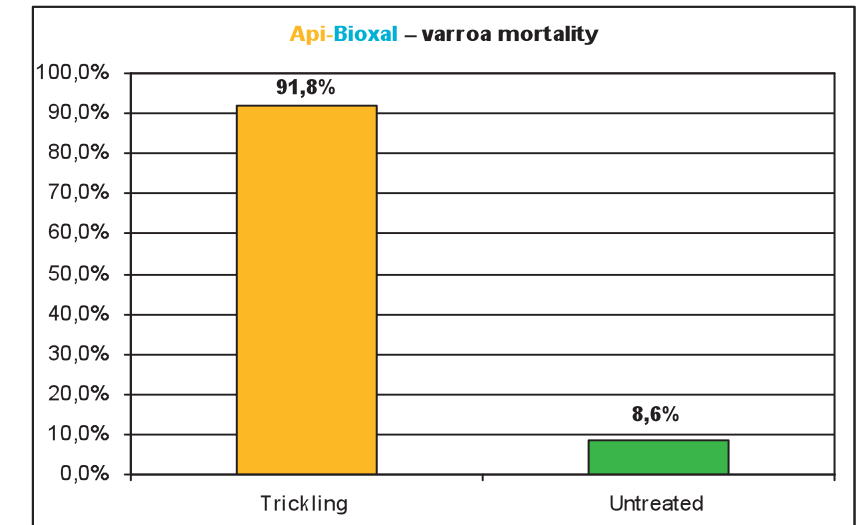


Administration by vaporisation

EFFECTIVENESS

Field Trial – Summer 2010 Administration by trickling

CRA-API Bologna
Dr Antonio Nanetti – Dr Andrea Besana – Dr. Roberto Romanelli



Field trial - winter 2010 Administration by vaporisation and trickling

CRA-API Bologna
Dr Antonio Nanetti – Dr Andrea Besana – Dr.ssa Elisa Gianessi

