

RESTRAINTS:

For in-hive use only. Only to be handled in a well-ventilated area. Apply only when monitoring indicates treatment is required. Consult State/Territory guidelines and/or experts for monitoring protocols and thresholds for treatment. DO NOT mix or use simultaneously with other veterinary products, including miticides.

PRECAUTIONS:

Use strictly in accordance with the label directions. Do not use simultaneously with other acaricides. All colonies in the same apiary should be treated simultaneously to avoid reinfestations. Avoid disturbance to the hives during the days after the treatment. For greatest efficacy, the product should only be used when the quantity of brood in the colony is non-existent or at its lowest levels. Oxalic acid does not penetrate wax so will not kill mites within capped brood and therefore the presence of brood may noticeably reduce the efficacy of the product. The product should be used in winter or following manipulation of the colony to produce a broodless state in summer (e.g. by queen caging) with a caging period of at least 25 days. Even with treatment, seriously damaged colonies may not survive due to the effects of varroa infestation.

RESISTANCE MANAGEMENT:

Use strictly in accordance with label directions to minimise the risk of the development of strains of mites resistant to oxalic acid from intensive use of Api-Bioxal. It is recommended to use products of other chemical groups for treatment in the spring.

SIDE EFFECTS:

Slight agitation is very commonly observed (more than 1 in 10 colonies) during treatment with the product. Increased adult bee mortality is very commonly observed (more than 1 in 10 colonies) after treatment with the product.

METHOD BY TRICKLING:

Dosage and administration

Single 5ml application per beehive frame, administered using a syringe. Maximal dose 50 ml per beehive. Up to two treatments per year (winter and/or spring-summer season in brood-free colonies). DO NOT overdose.

Mixing directions: Prepare sugar syrup solution

(1 :1 ratio of water and sucrose) at the concentration of 35 g Api-Bioxal in 500 ml of syrup <<or 175 g in 2.5 litres syrup>> or 350 g in 5 litres syrup>>.

Open the corresponding sachet containing the powder.

Dissolve the powder in the prepared solution and mix until dissolved.

Shelf life 24 hours after reconstitution.

METHOD OF APPLICATION:

Using a syringe, make a single application by trickling the Api-Bioxal sugar syrup between frames covered by bees, at a rate of 5 ml per frame full of bees.

METHOD BY VAPORISATION:

Dosage and administration: Single 2.3g dose administered via vaporisation per beehive. One treatment per year.

DO NOT overdose.

METHOD OF APPLICATION:

- Use an electric resistance device for vaporisation. Follow the manufacturer instructions in order to achieve maximum sublimation.
- Fill the pan of the vaporiser with 2.3 g powder.
- Place the appliance through the entrance of the hive under the bees, avoiding contact with the frames.
- Seal the entrance of the hive and any other ventilation points (e.g. screened bottom boards) to avoid escape of the bees and smoke.

Turn on the vaporiser following the manufacturer's instructions for about 3 minutes and keep the hive shut for another 15 minutes.

Cool down and clean the vaporiser after use to remove possible residue (max 6%, around 0.140 g).

Use drinkable water for cooling and/or cleaning.

Timing:

Treat hives ideally in the autumn/early winter period after honey supers have been removed (i.e. surplus honey has been removed from the hive) when little or no brood is present. The presence of brood may reduce the effectiveness of the control of the Varroa mite. A repeat application may cause bee mortality or reduce colony build up in the following spring.

Integrated Pest Management Program:

Efficacy may vary between colonies due to the conditions of use (residue presence of brood, temperature, reinfestations etc.). The product should therefore be used as a treatment amongst others within an Integrated Pest Management program, and mite levels regularly monitored.

WITHHOLDING PERIOD:

Honey: Zero (0) days.

SAFETY DIRECTIONS:

WARNING STATEMENTS:

May cause allergy (contact dermatitis).

HAZARDS:

Harmful if swallowed. Will irritate the nose and throat. Will damage eyes and skin.

PRECAUTIONS:

Avoid contact with eyes and skin. Do not inhale dust or vapour.

MIXING AND USING INSTRUCTIONS:

When opening the container, preparing and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), gauntlet-length chemical resistant gloves and goggles. In addition, if applying by the vaporisation method, wear a half facepiece respirator with combined particulate and acid gas cartridge.

AFTER USE:

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, respirator and contaminated clothing.

RE-ENTRY OR RE-HANDLING STATEMENT:

DO NOT perform clean-up or other hive maintenance activities (including harvesting honey) until 48 hours after treatment, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves and goggles. Clothing must be laundered after each day's use.

FIRST AID INSTRUCTIONS:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

ADDITIONAL USER SAFETY:

Additional information is listed in the safety data sheet (SDS) available from the Australian Distributor.

ENVIRONMENTAL PROTECTION:

DO NOT contaminate wetlands or watercourses with this product or used containers. ECOTOXIC. Toxic to terrestrial and aquatic life. Chemical not to be applied onto or into water.

DISPOSAL:

Dispose of unused product or container by wrapping with paper and putting in garbage.

STORAGE:

Do not refrigerate or freeze. Store locked up, in the original sealed package, in a cool, dry place, out of direct sunlight and away from foodstuffs and stockfeed. Keep out of reach of children. Do not use after the expiry date stated on the label. Once opened and reconstituted, use prepared solutions within 24 hours. Once opened, dry powder may be stored for up to 3 months.