



I N D I A

Conscious Care.

MAXICARB Forte

Suspension concentrate insecticide containing bendiocarb + tetramethrin + piperonyl butoxide.

Fast knock down effect and long residual activity

Public Health Product – Italian MOH registration no. 19379

Composition, 100 g product contain:

Pure Bendiocarb	20 g (212 g /l)
Pure Tetramethrin	2.5 g (26.5 g/l)
Pure Piperonyl Butoxide	7.5 g (79.5 g/l)
Coformulants and water	up to 100 g

BENDIOCARB family	Carbamate
Mode of action	Mainly by contact and ingestion
Insecticidal activity	Inhibits cholinesterase
Insect development phase to control	All larval and adult phases

TETRAMETHRIN family	1 type pyrethroid, non-photostable, non-persistent
Mode of action	Mainly by contact
Activity	Gives a neurotoxic effect
Insect development phase to control	All larval and adult phases

PIPERONYL BUTOXIDE family	Methylendioxyphenol derivative
Mode of action	Protects 1 type pyrethroids from enzyme degradation
Effects on insecticidal activity	Contributes to the penetration of a pyrethroid into the insect body

Formulation

In MAXICARB Forte the active ingredients and the synergist are wet-ground to obtain very tiny particles (few microns) in a water suspension by using, viscosity, suspending, wetting and dispersing agents.

Thanks to these characteristics the product is not absorbed by porous surfaces therefore it remains available for contact with the insect body.

Properties

MAXICARB Forte combines the wide sphere of activity of Bendiocarb with the knock-down and flushing effect of Tetramethrin in synergy with Piperonyl Butoxide.

The mode of action of Bendiocarb is similar to that of organophosphorous substances and hence different from that of pyrethroids and neonicotinoids. For this reason MAXICARB Forte is effective in circumstances where pyrethroids lose their efficacy because of a continuous uninterrupted use or because of high temperature which may affect the persistence of their biological activity.



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Maxicarb Forte therefore is particularly recommended for the control of those flying and crawling insects that are little sensitive to other active ingredients. The product must be applied on surfaces.

Persistence

Bendiocarb is marked by high stability against the most common causes of degradation (temperature, humidity, UV rays). The formulation as a suspension concentrate is ideal to emphasize this characteristic and to secure a biological performance lasting for a few weeks, especially indoors. The presence of Tetramethrin in the product also secures a fast flushing effect on insects hiding in cracks and crevices.

Dilution rates

MAXICARB Forte can be used at rates varying from 0.25% to 0.5% (25 to 50 mls in 10 litres water). However, as with any insecticide, usage rates are connected to the type of pest and the environment to treat (in terms of type of surface and of presence of other elements such as people, animals, vegetation).

The following chart gives a few possible dilutions based on practice:

Insect pest	Dilution	Spraying volume
Cockroaches, fleas, ants, bedbugs, ticks, spiders, centipedes etc.	0.25% to 0.5% (25 to 50 mls in 10 litres water)	1 litre solution every 10 square metres
Flies, mosquitoes, sandflies, adult moths, wasps etc.	0.3% to 0.5% (30 to 50 mls in 10 litres water)	1 litre solution every 10 square metres

Note: to control adult flies, the highest rate is recommended (0.5%) in combination with 25 grams of sugar per litre of water

Active ingredient toxicity

BENDIOCARB	LD ₅₀ acute oral rat 40-156 mg/kg
TETRAMETHRIN	LD ₅₀ acute oral rat >5000 mg/kg
PIPERONYL BUTOXIDE	LD ₅₀ acute oral rat >7500 mg/kg

Warning

For the proper use of this product, follow the instructions given on the product label. Read and keep the MSDS. Do not contaminate people, animals, foodstuffs, feeds, beverages and their containers with the product. The producer assumes no responsibility towards third parties. The user is responsible for any damages resulting from use.