



I N D I A

Conscious Care.

CYPERBASE

EW insecticide containing cypermethrin and tetramethrin synergised with piperonyl butoxide.

Without solvents and with a very low content of emulsifiers.

The lowest environmental impact against any EC or ME insecticide.

Public Health Product – Italian MOH registration no. 19555

Composition, 100 g product contain:

Cypermethrin 93% min. (cis/trans 40/60)	g	8 (81.92 g/l)
Tetramethrin 92% min.	g	1 (10.24 g/l)
Piperonyl butoxide 94% min.	g	4.85 (49.66 g/l)
Emulsifiers and water	up to g	100

CYPERMETHRIN family	2 type pyrethroid, photostable, persistent
Mode of action	By contact and ingestion
Activity	Alters the transmission of nervous impulses
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

CYPERBASE is formulated as a concentrated emulsion in water (EW). This type of formulation is obtained by using a very small amount of emulsifiers and no solvents. Moreover, the emulsifiers have been selected among those classified as “non dangerous”. CYPERBASE, therefore, secures insecticidal efficacy combined with reduced release of chemical substances in the environment, apart from the active ingredients and piperonyl butoxide. CYPERBASE, as a result, has an environmental impact and toxicity for people definitely lower than those of common ME and EC insecticides. Moreover, it is not irritating.

A peculiarity of EW insecticides is that they must be shaken well before use.

Product properties

CYPERBASE is a combination of a knock-down pyrethroid and a long residual one, at a high concentration. Therefore the product is highly effective at low usage rates. CYPERBASE can be used for treatments:

- 1) indoors:
 - against cockroaches, ants etc., on which a double effect is obtained: flushing and residual
 - to control sudden infestation by fleas, bedbugs etc.



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2) outdoors:

- to reduce the population of insect pests moving through residential areas, tourist resorts etc. CYPERBASE is also approved for the control of flies on surfaces

Usage rates and directions for use

Sphere of applicatin	Usage rate	Spraying volume
Indoors: on surfaces against crawling insects (cockroaches, ants, fleas, spiders and ticks)	Dilute in water from 1% to 2% (100 to 200 mls in 10 litres water)	Apply 1 litre of emulsion every 10-15 sq.m by means of a low pressure pump
Indoors: by means of ULV equipment in premises against flying insects (mosquitoes, flies, midges, moths)	Dilute in water at 5% (500 mls in 10 litres water)	With 1 litre of emulsion approx. 2500 cubic metres can be treated
Outdoors on surfaces against crawling insects	Dilute in water from 1% to 2% (100 to 200 mls in 10 litres water)	Apply 1 litre of emulsion every 10 square metres
Outdoors against flying insects (mosquitoes, midges etc.)	Dilute in water at 0.5% (50 mls in 10 litres water)	Apply evenly without dripping

SHAKE WELL THE CONCENTRATED PRODUCT BEFORE USE

Active ingredients toxicity

CYPERMETHRIN:	LD50 oral acute rat 250-4150 mg/kg
TETRAMETHRIN:	LD50 oral acute rat >5000 mg/kg
PIPERONYL BUTOXIDE:	LD50 oral acute rat >7000 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.