

## Pirilan®50EC: application and doses

Pirilan®50 EC should be applied by methods of spraying against crawling insects or nebulization against flying insects, previous dilution in water or organic solvents.

- ▶ **Broad spectrum:** Controls a wide range of nuisance pests including mosquitoes, ants, wasps, flies, cockroaches, fleas and other pest insects.
- ▶ **Low toxicity:** Pirilan presents no significant risk to humans, other organisms or to the environment when used as directed.
- ▶ **Effective:** Acts quickly and has contact, ingestion, and fumigant properties. Spray deposit persists on walls and inert surfaces to give long-term residual control.

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USE BIOCIDES SAFELY ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE. PIRILAN® is a trademark of a Syngenta Group Company. © Syngenta Crop Protection AG, Basel, Switzerland. All rights reserved. February 2018. Tel: +41 61 323 1111 Email: ppm.eame@syngenta.com, Web: [www.syngentappm.com](http://www.syngentappm.com)

Pest	Treatment	Dose rate	Area to cover
Crawling and flying	Control	50-100 ml	25 m <sup>2</sup>
	Maintenance	25 ml	25 m <sup>2</sup>
Mosquitoes*	Nebulization Manual ULV	100 ml	2 L / ha
		400 ml	0.5 L / ha
Mosquitoes*	Larvicide	10 ml	100 L / ha

\*For the control of flies, double the dose!



PROFESSIONAL PEST MANAGEMENT

## A BROAD SPECTRUM INSECTICIDE FOR THE CONTROL OF PUBLIC HEALTH PESTS

Pirilan®50EC with pirimiphos-methyl active ingredient, the ultimate effective solution against insects resistant to parathyroid, carbamates and other insecticides

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**Pirilan®50EC**  
Insecticide

**syngenta®**

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## Effective Resistance Breaker

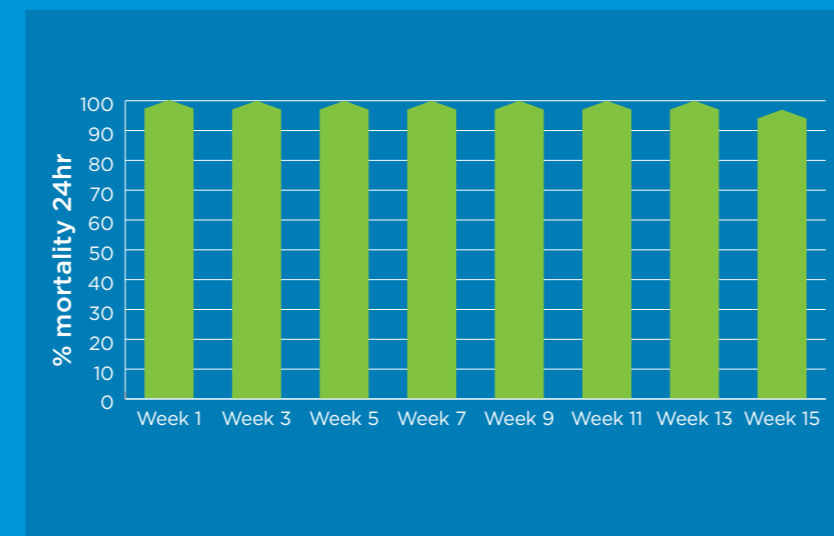
Pirilan®50EC is an insecticide with a broad spectrum of action, controls adult insects, and immature forms of flies and mosquitoes.

- ▶ An emulsifiable concentrate formulation containing the organophosphate - pirimiphos-methyl (500 gr/l)
- ▶ Highly active against all crawling and flying insect pests.
- ▶ No cross resistance to any other insecticidal class
- ▶ Non-repellent
- ▶ Up to 6 months of residual control

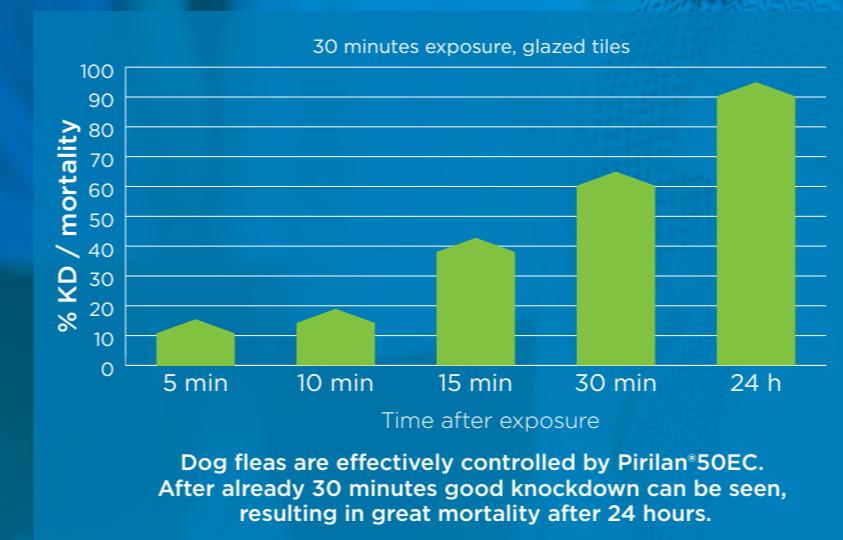
## Pirimiphos-methyl Mode of Action

Pirimiphos-methyl blocks the enzymatic activity of acetylcholinesterase. This enzyme normally puts an end to the transmission of the nerve impulse at the synapse, causing the transmitter acetylcholine to dissociate into its ineffective components choline + acetate. The blockade of this enzyme causes a state of constant excitation, which ends with a paralysis and subsequent death of the insect.

### Control of resistant *Anopheles gambiae* with Actellic 50EC



### Effective control of Pirilan®50EC against Dog fleas adults *Ctenocephalides canis*



### Good residual control of Pirilan®50EC against American Cockroaches *Periplaneta americana*

