

# SUPERIOR FORMULATION FOR TOTAL COCKROACH CONTROL

- ▶ Extremely palatable formulation
- ▶ Innovative bio-activation technology
- ▶ Total control of all key cockroach species
- ▶ To be used both proactively and to control heavy infestations
- ▶ Favorable environmental profile

## Active ingredient

Advion®Cockroach Gel bait contains 0.6% indoxacarb in a highly palatable bait formulation designed for indoor and outdoor control of key cockroach species.

## Mode of action: Uniquely activated by the cockroach's enzymes

Advion Cockroach Gel can effectively differentiate between target and non-target organisms thanks to its unique mode of action. The conversion of the indoxacarb molecule into its more insecticidal form can only take place with interaction from the insect's (target organism) enzymes. The activated molecule then binds to the target site and blocks the insect's sodium channels. The insect experiences paralysis, followed by death.

## Highly palatability means greater bait consumption

The superiority of Advion Cockroach Gel's attractiveness is well established in scientific studies, including situations where food sources are consistently present. As an example, a Nigerian study performed in 55 household kitchens treated with Advion Cockroach Gel (6-8 gel spots at 0.5 gr), demonstrated that 24 hours after treatment all gel spots were consumed. Despite all treated kitchens in this study having alternative food sources available, the cockroaches were attracted to Advion Cockroach Gel. The cockroach reduction was 99.8% after 14 days following treatment (Anikwe *et al.* 2014).



## Effective across all main cockroach species

Advion Cockroach Gel is effective against both adult and nymph stages and specifically formulated to control key cockroaches species, including:

- ▶ **German cockroach** (*Blattella germanica*)
- ▶ **Oriental cockroach** (*Blatta orientalis*)
- ▶ **American cockroach** (*Periplaneta americana*)
- ▶ **Brown-banded cockroach** (*Supella longipalpa*)

## Suitable for a wide variety of application sites

The low toxicity of the product and its precise application makes it suitable for use:

### Indoors

- Both food/feed storage areas & non-food/non-feed areas
- Crack & crevice treatment in and around residential homes, industrial facilities, offices, warehouses
- Sensitive areas such as commercial kitchens, hospitals, schools, nursing homes, hotels, buses, trains, aircraft, retails and commercial establishments





### Outdoors

- Advion Cockroach Gel should be applied to pest entry sites such as around windows & doors
- Between construction elements, or at suitable placement sites that act as cockroach harborages

## Targeted and low toxicity – Recommended application

Advion Cockroach Gel should be applied in areas inaccessible to children, pets, non-target organisms and beneficial insects. Infested areas should be carefully inspected to determine overall infestation levels, locations of harborage sites and most appropriate application points.

Advion Cockroach Gel should be applied as small spots of material, or alternatively, thin lines of gel. Several small applications distributed within an area are normally more effective than 1 or 2 applications of large quantities.

Infestation	Application rate	Spot size
Low infestation	Apply 2 spots x 0.1 gr (5 mm size) per m <sup>2</sup>	 2 x 0,1 g/ m <sup>2</sup>
Heavy infestation	Apply 5 spots x 0.1 gr (5 mm size) per m <sup>2</sup>	 5 x 0,1 g/ m <sup>2</sup>
Heavy infestation (recommended close to known harborage sites)	Apply 1 thin line of 5 cm x 0.3 cm or 1 spot of (10 mm size) 0.5 gr per m <sup>2</sup>	 5 cm x 0.3 cm  1 x 0,5 g/m <sup>2</sup>

This technical leaflet has the purpose of advice. Please refer to the product's label for more details

FOR LIFE UNINTERRUPTED™



USE BIOCIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE. Advion® Cockroach Gel contains 0.6% of indoxacarb. This product is approved under the Biocidal Products Regulations. Authorization number: UK-2010-0001. Advion®, For Life Uninterrupted™, the Alliance frame, the Purpose icon and the Syngenta logo are trademarks of a Syngenta Group Company. ©2017 Syngenta. Syngenta Crop Protection AG, Basel, Switzerland. Email: ppm.eame@syngenta.com. Web: [www.syngentappm.com](http://www.syngentappm.com)