

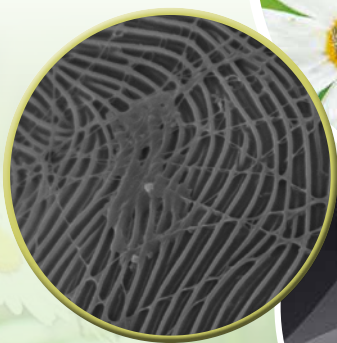
EXONET™

NATURAL INSECTICIDE

THE NATURAL SOLUTION FOR ALL YOUR PEST MANAGEMENT NEEDS

EXONET contains a fast-acting botanical insecticide, extracted from Chrysanthemum flowers.

- ✓ IMMEDIATE, KNOCK-DOWN EFFECT
- ✓ NO TOXIC RESIDUES
- ✓ KILLS NUMEROUS SPECIES OF INSECTS & ARACHNIDS



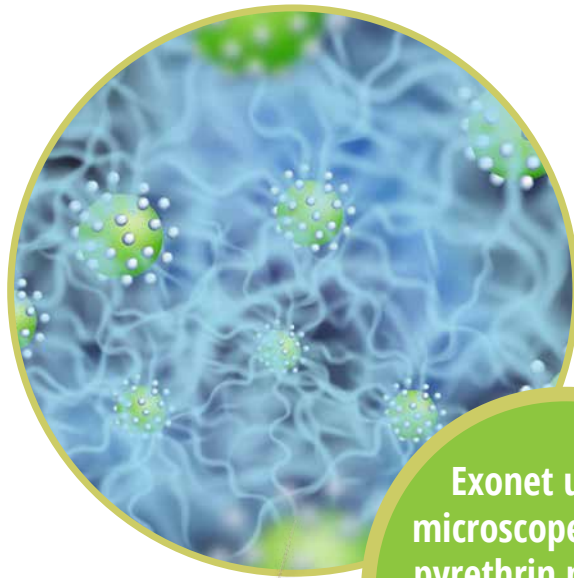
**FASTER
KNOCK-DOWN
WITH EXCLUSIVE
3D WEB
FORMULATION**



EXONET

Benefits

- ✓ Leaves no toxic residues after the treatment
- ✓ Broad spectrum of action, kills numerous species of insects and arachnids
- ✓ Spray penetrates into the hard to reach areas
- ✓ Can be tank-mixed with synthetic insecticides to improve their performance
- ✓ Creates no resistance
- ✓ Provides an immediate (knock-down) effect



Exonet under a microscope. Natural pyrethrin molecules within the tangled 3-D web of the formulation.



NATURAL PYRETHRINS

Natural pyrethrins are extracted from a species of the chrysanthemum daisy (*Chrysanthemum cinerariaefolium*). Pyrethrins consist of six esters known as Cinerin 1, Cinerin 2, Jasmolin 1, Jasmolin 2, Pyrethrin 1 and Pyrethrin 2, collectively known as Pyrethrum. Pyrethrum affects the insect's central and peripheral nervous systems, causing paralysis and ultimately death.

EXONET has no residual effects, it only kills those insects it is sprayed on. This also means it has no environmental persistence and is totally biodegradable.



FOR USE IN RESIDENTIAL, COMMERCIAL & INDUSTRIAL AREAS, INCLUDING HOSPITALS, KITCHENS & WAREHOUSES.



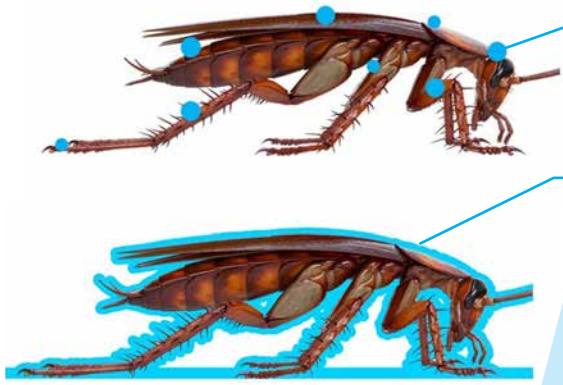
EXONET contains a fast-acting botanical insecticide, extracted from Chrysanthemum flowers. Due to this naturally derived plant active, it has a high safety profile and a low impact on the environment. Moreover, it's innovative formulation ensures faster and more effective elimination of a wide range of insect pest species.



EXONET, with its unique three-dimensional web formulation provided significantly faster knockdown and higher kill rates (100%) against German and American cockroaches and mosquitoes, when compared to a highly PBO synergised pyrethrin products.

Product	MOSQUITOES				GERMAN COCKROACHES	
	KD50	KD90	KD 100	Kill at 1-day	KD90	Kill at 1-day
ECOTHOR ACTIVE NATURE EXONET	90 secs	270 secs	420 secs	100%	110 secs	100%
Highly PBO Synergised Pyrethrins*	240 secs	720 secs	Not achieved	93%	600 secs	90%

* 80g/L Pyrethrum 480g/L Piperonyl Butoxide



After coming into contact with the insect, Exonet's powerful web technology activates to rapidly spread evenly around the pest.

This physical mode of action quickly immobilises the insect, ensuring the even deposition of actives on the insect's body and therefore increased effectiveness.

EXONET is uniquely formulated without the synthetic chemical, piperonyl butoxide (PBO), which is included in most other pyrethrins formulations as a synergist to improve effectiveness. Without the presence of PBO, insects sprayed with pyrethrins will tolerate the pyrethrins, meaning that, whilst they are knocked down, they will quickly recover. So people have to add a high ratio of PBO to actually kill the insects. The problem is, amongst other concerns, piperonyl butoxide is classified by the USA EPA as a possible human carcinogen, and it is not a natural product.



**100%
KILL
RATE**

LOOKING AT EXONET WEB TECHNOLOGY UNDER THE MICROSCOPE

The molecular 3D-network structure of the Exonet web, as seen under a microscope, is complex and very strong, ensuring that the insect is immobilised.





AN INNOVATIVE APPROACH

EXONET employs a unique formulation whereby the solution creates a tangled three-dimensional web around the insects when they are sprayed. This is rather like having a net-casting spider in your spray tank.

Net-casting spiders throw their webs over their prey, entangling them in the web. EXONET achieves this effect by polymerising when it contacts the insects, to form a tangled, three-dimensional polymeric web, which encases the insects and greatly restricts their mobility.

The natural pyrethrins are then able to more readily penetrate through the insect spiracles and quickly overcome the insect. This three-dimensional web action plus a natural plant insecticide kill approach, ensures the insects never recover. They are gone for good.



The technology employed in EXONET has been optimised for urban environments to ensure the effective elimination of urban pest species. The technology is intended for the use in residential, commercial, and industrial areas, including hospitals, kitchens, and warehouses. It does not stain, which is one of the key aspects in the control of urban pests, such as bed bugs, fleas, cockroaches, stored product moths, etc.

The sprayable micro-mesh immobilises insects,

working like a spiders web to encase and immobilise the insects...

When you use EXONET, it's like your turning yourself into Spiderman!



THE NATURAL SOLUTION FOR ALL YOUR PEST MANAGEMENT NEEDS

ACTIVE ADHESION AND SPREADING

EXONET is super-powerful wetting agent that rapidly spreads over the insect exoskeleton to encase the insect. The polymerisation that occurs around the insect's exoskeleton restricts their movement and rapidly slows the insects down, providing for the pyrethrins to rapidly kill.



BREAKING THE RESISTANCE CYCLE

Due to its novel mode of action, EXONET will control insects that are resistant to synthetic insecticides. It can also be tank-mixed with traditional residual insecticides to improve their performance and speed of kill.

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CUSTOMER SERVICE: 0800 ENSYSTEK (0800 367 978)

Approved pursuant to the HSNO Act 1996.

Approval Code HSR101510

MPI Approved Type A (All animal product except dairy)

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EXONET™
NATURAL INSECTICIDE