NyGuard® IGR



NyGuard® IGR gives you the POWER OF MORE

Works both indoors and out so you can treat more places.

NyGuard® is also known as SUMIVA in Malaysia

SUMITOMO CHEMICAL

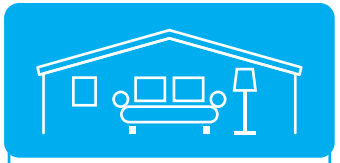
NyGuard IGR Concentrate is an emulsifiable concentrate (EC) formulation that contains the active ingredient, Pyriproxyfen 10% w/w. It affects the reproductive potential of insects using best-in-class Insect Growth Regulator (IGR) technology. This helps disrupt their growth and development.

NyGuard is applied as a diluted spray or ULV/fogger on insect populations. It prevents eggs, larvae and nymphs from maturing into reproductive adults. It can be applied with a non-IGR adulticide to kill existing adult insects while disrupting the growth of further generations of insects.

Why Choose NyGuard

- Broad spectrum of pests including ants, cockroaches, fleas, flies, mosquitoes, darkling beetles and stored product insects.
- Break the reproductive cycle of insect pests.
- Longer-lasting residual control.
- Photo-stable so it will not rapidly degrade in sunlight.
- Effective indoors and outdoors.

Use Areas



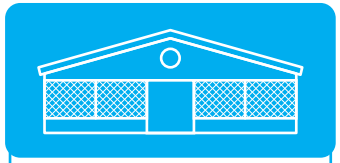
Indoor in Food & Non-Food Areas such as:

- Homes
- Food processing plants
- Restaurants
- Schools
- Warehouses
- Hotels



Outdoor Perimeter Treatments to areas such as:

- Doors
- Garage doors
- Patios
- Decks
- Carports & around garbage area



In, On or Around:

- Livestock
- Poultry Housing
- Pet Kennels

*Pyriproxyfen, the active ingredient in NyGuard, has EPA Reduced Risk status in Food Handling Establishments.

Application method

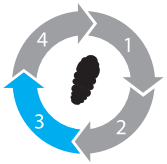
- Crack & crevices or spot treatment
- Ultra Low Volume (ULV) fogging
- Perimeter spray
- Surface treatment
- Power spray
- Tank mix or applied alone

How NyGuard Breaks the Cycle of your toughest insect pests:

Complete metamorphosis Includes insects such as: Fleas, Moths, Beetles, Ants, Wasps, Flies, Midges, Mosquitoes and Gnats.



Egg stage
Effects of NyGuard exposure:
- Mortality



Pupa stage
Results of NyGuard exposure in larvae stage:
- Death
- Morphological defects

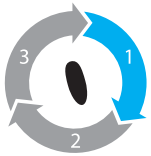


Larval stage
Effects of NyGuard exposure:
- Suspended in larval stage
- Reduced fitness
- Increased susceptibility to non IGR insecticide
- Sterility in adult stage



Adult stage
Results of NyGuard exposure:
- Reduced reproduction – fewer eggs
- Decreased viability of eggs

Incomplete metamorphosis Includes insects such as: Cockroaches and Crickets.



Egg stage
Effects of NyGuard exposure:
- Mortality



Adult stage
Results of NyGuard exposure
- Reduced reproduction – fewer eggs
- Decreased viability of eggs

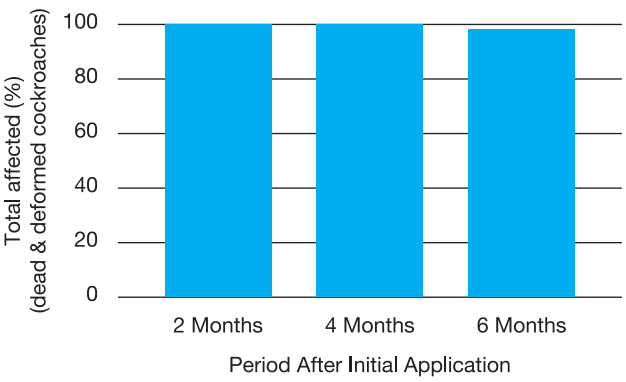


Nymphal stage
Effects of NyGuard exposure:
- Suspended in nymphal stage
- Reduced fitness
- Increased susceptibility to non IGR insecticide
- Morphological defects
- Behavioral changes – more active during daylight hours
- Death
- Sterility in adult stage

Biological efficacy
NyGuard IGR concentrate is a juvenile hormone mimic which delivers strong IGR performance and effectively breaks the reproductive cycle of target pests when used as directed.

Excellent Long-lasting Residual Control
Method: Residual contact on ceramic panels
Insect : German cockroaches, *Blattella germanica*
Dilution rate 1: 1500 at an application rate of 50ml/m²

Residual Effect of NyGuard





Regulatory and Technical Support

With a broad and extensive technical experience in the Environmental Health division, we offer a comprehensive product registration package. We also offer technical support with best use of innovative technologies and formulations for our growing client base from our regional laboratory in Seremban, Malaysia.

Please Read and Follow
Product Label Directions and Precautions Before Use.

Contact Us For More Information

Sumitomo Chemical Asia Pte Ltd
3 Fraser Street, #07-28 DUO Tower
Singapore 189352
Tel : (65) 6303 5188
Fax : (65) 6298 9621

Sumitomo Chemical Philippines Inc
Unit 4C, 4th Floor, MAPFRE Insular Corporate Center
1220 Acacia Avenue, Madrigal Business Park, Ayala Alabang
Muntinlupa City
1770 Philippines
Tel : (632) 885 067180
Fax : (632) 885 063032

Sumitomo Chemical (Thailand) Co. Ltd
Level 35, Unit 3505, Exchange Tower
388 Sukhumvit Road
Klongtoey, Bangkok 10110
Thailand
Tel : (66) 2663 4337
Fax : (66) 2663 4336

Sumitomo Chemical Enviro-Agro Asia Pacific Sdn Bhd
Lot 62A, Persiaran Bunga Tanjung 1
Senawang Industrial Park
70400 Seremban, Negeri Sembilan
Malaysia
Tel : (606) 679 3711
Fax : (606) 679 3698

Sumitomo Chemical Vietnam Co., Ltd
Floor 5, 40 Pham Ngoc Thach Street, Ward 6
District 3, Ho Chi Minh City
Vietnam
Tel : (028) 3822 0127, (028) 3822 0129
Fax : (028) 3822 0131

https://sumitomo-chem.com.sg/agro-life-solutions/environmental-health/

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