

# 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



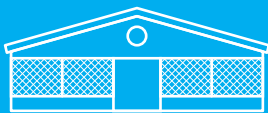
Indoor in Food & Non-Food Areas such as:

- 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:

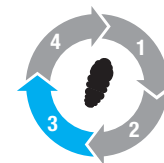
- Mortality



### Larval stage

Effects of NyGuard exposure:

- Suspended in larval stage
- Reduced fitness
- Increased susceptibility to non IGR insecticide
- Sterility in adult stage



### Pupa stage

Results of NyGuard exposure in larvae stage:

- Death
- Morphological defects

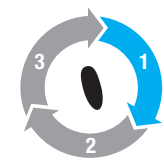


### Adult stage

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



### 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



### Adult stage

Results of NyGuard exposure

- Reduced reproduction – fewer eggs
- Decreased viability of eggs

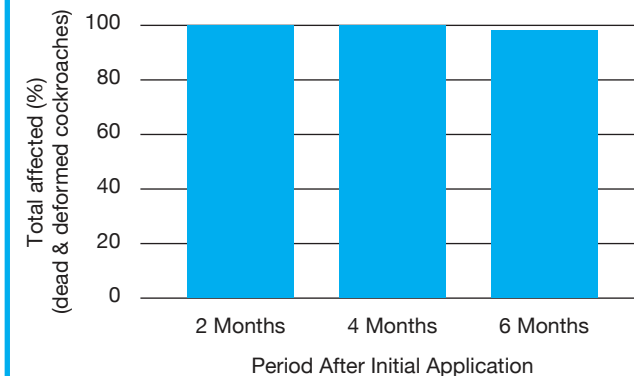
### Biological efficacy

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/m<sup>2</sup>

## 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, 4<sup>th</sup> 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

**www.sumitomo-chem-  
envirohealth.com**



#### Disclaimer

The statements, technical information and recommendations contained herein are to be used only as a guide to assist with the product selection and Sumitomo Chemical makes no representation or warranty as to the completeness or accuracy of the information contained herein. The products and specifications set forth in this brochure are subject to change without notice and Sumitomo Chemical disclaims any and all liability for such changes. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Sumitomo Chemical expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. IN NO EVENT WILL SUMITOMO CHEMICAL BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING FROM THE SALE OR USE OF ANY PRODUCT.

The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. All sales of products shall be subject to Sumitomo Chemical's Standard Terms and Conditions of Sale, a copy of which will be provided by Sumitomo Chemical upon request.

\*Sumitomo Chemical as used herein refers to Sumitomo Chemical Asia Pte Ltd, each and any subsidiary or holding company from time to time of that company, whether existing now or in the future.