



## 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

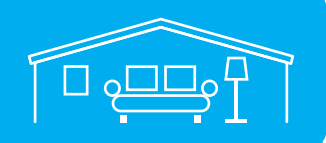
NyGuard IGR Concentrate is an emulsifiable concentrate (EC) formulation that contains the active ingredient, Pyriproxyfen 10% w/w. It affects the reproductive potential of insects using best-in-class Insect Growth Regulator (IGR) technology. This helps disrupt their growth and development.

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



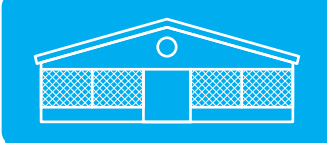
Indoor in Food & Non-Food Areas such as:

- 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

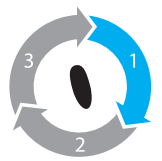


**Larval stage**  
Effects of NyGuard exposure:  
■ Suspended in larval stage  
■ Reduced fitness  
■ Increased susceptibility to non IGR insecticide  
■ Sterility in adult stage




**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



**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

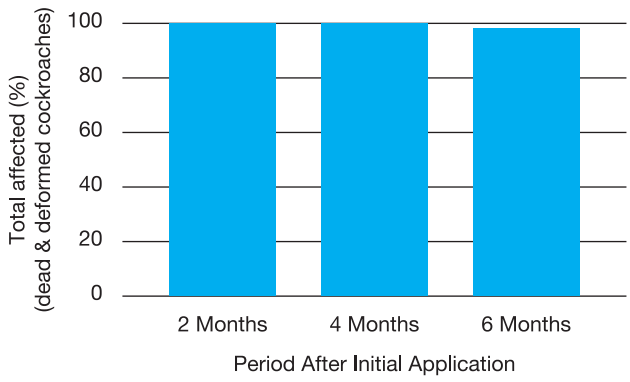


**Adult stage**  
Results of NyGuard exposure:  
■ Reduced reproduction – fewer eggs  
■ Decreased viability of eggs

**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**



Period After Initial Application	Total affected (%) (dead & deformed cockroaches)
2 Months	100
4 Months	100
6 Months	100



## 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.**

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