NyGuard®
Reduced Risk*, Increased Versatility

NyGuard® IGR Concentrate is a juvenile hormone mimic which delivers strong IGR performance and allows you to effectively break the reproductive cycle of your toughest insects and related pests.

	Gentrol®	Precor®	NyGuard® IGR
Cockroaches, fleas & broadest spectrum of other pests			✓
EPA reduced risk* status			✓
Food areas & non-food areas	✓		✓
Use indoors & outdoors			✓
Long-lasting residual activity	✓	✓	✓

Product Specifications

Signal Word	Caution
Packaging	140 ml bottles (10 per case)
EPA Registration Number	1021-1603
Food Handling	For use in food and non-food areas
Stability of Undiluted Product	Stable
Stability of Diluted Product	Do not allow to stand overnight. Mix before each use.
Appearance	Clear, colorless liquid
Odor	Sweet surfactant odor
Active Ingredients	Pyriproxyfen (Nylar)
Flammability	OSHA – combustible liquid
Mode of Action	Juvenile hormone mimic
Class of Chemistry	Insect growth regulator (IGR)
Respirator Required	Not required
Mix or Dilute in	Water or petroleum distillates
Activity	Residual – up to 7 months
Shelf Life	12 months closed in original commercial packaging

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

Use Areas

Indoor in Food and 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 and around garbage areas

In, On or Around Livestock and Poultry Housing, and Pet Kennels

MGK®

Method of Application

- Broadcast surface treatment
- Crack and crevice or spot treatment
- ULV fogging
- Perimeter spray
- Power spray
- Tank mix or apply alone

Best Practices when using NyGuard® IGR Concentrate

Use NyGuard as part of an Integrated Pest Management (IPM) program to break the cycle of insect reproduction. NyGuard gets to the root cause of insect problems – the eggs, larvae or nymphs – and prevents them from maturing into reproductive adults. NyGuard will cause morphological abnormalities and disrupt the normal development of immature stages of insects, leading to sterility or death. When adults are present, use NyGuard in conjunction with a non-IGR insecticide. This method focuses on the large-scale removal of the reproductive adult component of the target population, while at the same time introducing NyGuard to disrupt the development of further generations.

Key Insects Controlled

Ants
Asian Cockroaches

Brown Banded Cockroaches
Carrion Beetles
Cigarette Beetles
Confused Flour Beetles
Crickets
Darkling Beetles
Dermestid Beetles
Fleas
Flies
Fungus Gnats
German Cockroaches
Hide Beetles
House Flies
Indian Meal Moths
Lesser Grain Borers
Litter Beetles
Merchant Grain Beetles
Midges
Mosquitoes
Moths
Red Flour Beetles
Rice Moths
Saw-tooth Grain Beetles
Stable Flies
Tobacco Moths
Warehouse Beetles

How NyGuard® Breaks the Cycle of Your Toughest Insect Pests

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

Always read and follow label and MSDS directions.

To learn more, visit www.mgk.com, call 1-800-645-6466 or send an e-mail to brands@mgk.com.