



Insect Growth Regulator breaks the cycle of insect reproduction to control Fleas, Stored Product Pests, Cockroaches, Mosquitoes, Flies, Lone Star Ticks and other listed insect pests.

- Labeled for use in food areas of food handling establishments
- Works to break the life cycle of listed insects
- Effective indoors and outdoors
- Kills Aedes mosquito larvae before they become breeding, biting adults that may transmit Zika virus
- Reduces egg production in house flies and prevents development of larvae (maggots) into adults

ACTIVE INGREDIENT:	
2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine.....	10.00%
OTHER INGREDIENTS	90.00%
	100.00%



**KEEP OUT OF REACH OF CHILDREN
CAUTION**
See inside for first aid and precautionary statements.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
READ ALL DIRECTIONS COMPLETELY BEFORE USE

USE RESTRICTIONS:

DO NOT use this product in drinking water systems.

DO NOT use this product in or on electrical equipment due to possibility of shock hazard.

GENERAL INFORMATION

NyGuard® IGR Concentrate is a non-repellent Juvenile Hormone (JH) Mimic. It disrupts the normal development of the immature life stages of listed insects, with either complete or incomplete metamorphosis, preventing successful development of the adult stage. Depending upon the insect species and life stage at the time of exposure, the observed results can include: decreased egg viability, sterile adult insects incapable of reproduction, suspension of insect in immature life stages, reduced fitness of insect, behavioral changes, reduced egg production, morphological defects—deformed insects and death. When used in an Integrated Pest Management (IPM) program, NyGuard® IGR Concentrate breaks the reproductive cycle of listed insects and aids in the prevention of insect resistance.

For best results, follow directions for specific use areas.

Do not use this product in or on electrical equipment due to possibility of shock hazard.

Avoid excessive wetting of carpet, draperies and furniture.

STAINING: NyGuard® IGR Concentrate is generally non-staining. If staining is a concern, test final spray solution in an inconspicuous area prior to use, as some fibers or surfaces (such as vinyl siding) may be adversely affected by an application of this, or any liquid product.

Prior to using in commercial or residential food areas, please refer to the Food Handling Establishment Applications section of the label. The preparations prior to treatment and the cleanup after application described are also to be followed for residential use.

In hospitals, nursing homes or in any rooms occupied by the elderly or infirm, remove patients before treating rooms. If application is done as a surface spray, or crack and crevice application, patients may re-enter once the spray has dried. If application is a ULV fog or space spray, patients may return to the room after it has been thoroughly ventilated.

In institutions (including libraries, sports facilities, etc.) applications may be made while the facility is in use, provided treatment is not made in the immediate area where people are present.

USE SITES:

NyGuard® IGR Concentrate is effective when used in both indoor and outdoor areas such as:

Agricultural Buildings	Condominiums	Hotels	Play Rooms
Aircraft (cargo areas only)	Convenience Stores	Indoor Eating Establishments	Porches
Animal Housing Facilities	Crawl Spaces	Industrial Buildings	Poultry Houses
Animal Quarters	Crematoriums	Industrial Plants	Prisons
Animal Research Facilities	Cupboards	Institutional Buildings	Public Buildings
Apartment Buildings	Dairies	Institutional Dining Areas	Railroad Cars
Apartments	Day Care Centers	Institutions	Recreation Vehicles
Appliances	Decks	Jails	Recreational Areas Indoors
Assisted Living Facilities	Delicatessens	Kennels	Recreational Areas Outdoors
Atriums	Dens	Kitchens	Residential Homes
Attics	Detention Centers	Laboratories	Restaurants
Automobiles	Dining Halls	Lanais	Rooms
Backyards	Dog Houses	Landscape Plants	Rugs
Bakeries	Dog Kennels	Landscaping	Schools
Barns	Dog Runs	Lawns	Septic Tanks
Basements	Dormitories	Libraries	Ship Cargo Holds
Bathrooms	Drains	Livestock Housing	Ships
Bed Frames	Draperies	Livestock Production Facilities	Shutters
Bedrooms	Dressers	Living Rooms	Side Yards
Boats	Drive-ins	Locker Rooms	Soil
Boiler Rooms	Drugstores	Manufacturing Plants	Solariums
Bookshelves	Egg Production Facilities	Marine Vessels	Spas
Bottling Facilities	Equipment	Mass	Sports Stadiums
Box Springs	Equipment Voids	Merchandising Stores	Stockyards
Boxcars	Fabric Storage Areas	Mattresses	Storage Areas
Breweries	Factories	Mausoleums	Stored Food Areas
Building Exteriors	Farm Buildings	Meat & Produce Canneries	Stored Food Warehouses
Building Foundations	Farms	Meat Processing Plants	Stores
Building Perimeters	Farmyards	Mess Halls	Sun Porches
Buses	Feedlots	Mobile Canteens	Sun Rooms
Cabinets	Floors	Mobile Homes	Supermarkets
Cabins	Flour Mills	Morgues	Swine Production Facilities
Cafeterias	Food Handling Areas	Mortuaries	Taverns
Calf Hutches	Food Packing Plants	Motels	Theaters
Campers	Food Processing Plants	Mulch	Tobacco Plants and Warehouses
Campsites	Food Storage Areas	Nursing Homes	Town Houses
Candy Plants	Food Warehouses	Office Buildings	Trailers
Cargo Holds	Foundations	Offices	Trains
Carpets	Funeral Parlors	Other Public Buildings	Transportation Vehicles
Casinos	Furniture	Outdoor Eating Establishments	Tree Houses
Cemeteries	Garages	Pantries	Trucks
Cereal Processing Facilities	Garbage Areas	Parks	Universities
Chests	Garbage Cans	Patios	Upholstered Furniture
Child Care Centers	Gas Stations	Pet Areas	Utility Room Indoor
Closed Porches	Gazebos	Pet Bedding	Utility Room Outdoor
Closets	Grain Storage Facilities	Pet Carriers	Vending Machines
Clothes Storage	Grass	Pet Grooming Parlors	Verandas
Coffee Houses	Grocery Stores	Pet Quarters	Veterinaries
Colleges	Headboards	Pet Sleeping Areas	Warehouses
Commercial Buildings	Health Clubs	Pet Stores	Washrooms
Compost	Homes	Play Houses	Yards
Composting Sites	Hospices		Zoos
	Hospitals		

Pests in the Orders Acari, Anoplura, Blattodea, Coleoptera, Dermoptera, Diptera, Heteroptera, Hymenoptera, Lepidoptera, Orthoptera, Psocoptera, Siphonaptera, as well as certain other orders are susceptible in varying degrees to NyGuard® IGR Concentrate's active ingredient.

Specific pests that NyGuard® IGR Concentrate has shown to significantly disrupt the life cycle are:

Almond Moths	Dermestid Beetles	Mealworms
American Cockroaches	Drain Flies	Merchant Grain Beetles
Angoumois Grain Moths	Drugstore Beetles	Midges
Ants	Elm Leaf Beetles	Mosquitoes
Asian Cockroaches	Face Flies	Moths
Asian Lady Beetles	Field Cockroaches	Pennsylvania Wood Cockroaches
Australian Cockroaches	Filter Flies	Phorid Flies
Beetles	Fleas	Psocids
Black Carpet Beetles	Flies	Red Flour Beetles
Booklice	Florida Stinkroaches	Rice Moths
Bottle Flies	Fruit Flies	Rice Weevils
Boxelder Bugs	Fungus Gnats	Sawtoothed Grain Beetles
Brown Cockroaches	German Cockroaches	Sewage Flies
Brownbanded Cockroaches	Granary Weevils	Silverfish
Cat Fleas	Ground Beetles	Small Dung Flies
Cheese Skippers	Hide Beetles	Smoky Brown Cockroaches
Cigarette Beetles	Horn Flies	Stable Flies
Cinereous Cockroaches	Horntails	Surinam Cockroaches
Clothes Moths	House Flies	Tobacco Moths
Cockroaches	Indian Meal Moths	Turkestan Cockroaches
Confused Flour Beetles	Khapra Beetles	Vinegar Flies
Copra Beetles	Lesser Grain Borers	Warehouse Beetles
Crickets	Litter Beetles	
Darkling Beetles	Lone Star Ticks	
	Madeira Cockroaches	

GENERAL MIXING INSTRUCTIONS:

Mix concentrate with water and apply with equipment capable of delivering coarse wetting surface spray, fogging (space spray/mist), spot, crack and crevice spray applications, professional foam applicator or with a paintbrush, roller or similar device. Partially fill the sprayer with water, add required amount of concentrate in sprayer, agitate and fill to final volume. Agitate before each spray.

Tank mixing: NyGuard® IGR Concentrate may be tank mixed with other registered pest control products, unless either product label prohibits tank mixing. Use the resulting tank mixture in accordance with the more restrictive label limitations and precautions of the mixed products. Make applications in accordance with those label instructions that are consistent for each product. To prepare the tank mix, add the tank mix partner first and make sure it is well mixed and in suspension, then add the correct amount of NyGuard® IGR Concentrate according to the label instructions below.

Do not tank mix with Vapona or Malathion. These products are antagonistic to NyGuard® IGR Concentrate's active ingredient.

General Application Instructions: Use NyGuard® IGR Concentrate both indoors and outdoors as a general surface spray, ULV/fog or space spray application, spot treatment or crack and crevice application. Application may be made using power sprayers, hand pump sprayers, void injectors, in carpet shampoo, using a paintbrush, roller, professional foam applicator, or similar device.

Surface Applications: Apply diluted spray as a spot treatment, broadcast surface application and crack and crevice spray. Thoroughly treat areas where insects travel, breed, rest, hide or harbor. Special attention should be paid to applying spray solution to harborage and hiding places where conditions support insect population growth and reproduction.

ULV AND FOGGING APPLICATION INSTRUCTIONS, INCLUDING SPACE SPRAY AND VOID INJECTION

NyGuard® IGR Concentrate may be applied as a fog or an ultra-low volume (ULV) application with equipment such as foggers, ULV equipment, mechanical misting sprayers or aerosol generators. To prepare the fogging solution, follow the equipment manufacturer's solution preparation instructions. For fogging applications, NyGuard® IGR Concentrate may be diluted with water or an approved petroleum distillate. Apply at a rate of 1 ml of NyGuard® IGR Concentrate per 1,000 cubic feet of space to be treated. Remove all persons from the area to be treated. Close area to be treated. Shut off ventilation systems. Apply the product in the air and direct fog or mist toward all areas that may harbor target pests. After treatment, leave the room closed for 30 minutes or longer, as recommended by the labels of other products that may be tank mixed with NyGuard® IGR Concentrate. Do not remain in treated area after fogging application is completed. Ventilate before re-entry.

To treat voids in equipment and structures with ULV and fog injection systems (void injectors): Apply to harborage sites in wall voids and other inaccessible spaces in equipment and structures using injection equipment designed for deep void ULV (Ultra Low Volume) applications. Follow the injection equipment manufacturer's recommendations for the proper set up and air pressures. Place the applicator tip at or into the void space or crack and crevice to be treated. Apply in short bursts while keeping the tip in position. Allow the air stream to push the material deep into the space. For applications along baseboards, trim, molding, etc. move applicator tip along the crevice to be treated, applying a constant burst of material. Move the tip at a steady rate of one foot per second. Avoid applying to the point of runoff or drip. Ventilate area thoroughly before re-entry.

FOOD HANDLING ESTABLISHMENT APPLICATIONS

Apply NyGuard® IGR Concentrate as a general surface spray, space spray, spot and/or crack and crevice treatment in both food and non-food areas of food handling establishments where food and food products are held, processed, prepared and served. It also includes areas where food items are: received, prepared, packaged, and stored, as well as enclosed food processing systems (mills, dairies, etc.). Prior to application, remove or cover all food items in area to be treated. Do not apply directly to food or food-handling surfaces. In the home all food-processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Food contact surfaces should be thoroughly washed with an effective cleaning compound and rinsed with potable water after use of the product.

SPOT OR CRACK & CREVICE APPLICATION

Since active ingredient is stable and not volatile, spot, and/or crack and crevice treatment may be used while the facility is in operation, provided exposed food is covered or removed from the area being treated prior to application.

SPACE SPRAY AND GENERAL SURFACE APPLICATION

Space and general surface application may be used only when the facility is not in operation provided exposed food is covered or removed from the area being treated prior to application.

PANTRY/CABINETS, SMALL FOOD STORAGE AREAS

Apply as a surface spray, fog, crack and crevice spray, or spot treatment to pantry and cupboard shelves or other areas where food is stored. Prior to spraying, remove all food containers and foodstuffs. Do not replace food containers or foodstuffs until spray has dried.

STORED FOOD WAREHOUSES

Apply NyGuard® IGR Concentrate as a general surface spray, fog, spot, or crack and crevice treatment in warehouses where packaged food items are stored in such a way that direct contact with the foodstuff is not anticipated.

Integrated Pest Management in Schools

The health of school residents and long-term suppression of pests must be the primary objectives that guide pest control in school settings. To accomplish these objectives an IPM program must always look for alternatives first and use pesticides only as a last resort. There are many chemical products to choose from that are relatively benign to the larger environment and at the same time effective against target pests.

Consult the EPA Document: *IPM for Schools: A How-to Manual* to learn more. This and other resource materials are available at www.epa.gov/pesticides/ipm/.

NyGuard® IGR Concentrate may be used in schools and day care facilities. Unless it is an emergency situation, applications should be performed when only maintenance staff are present and the building is otherwise unoccupied. Do not apply to classrooms while in use. Vacate rooms prior to treatment. If application is a surface spray, spot or crack and crevice application, re-entry may occur once the spray has dried. If application is a ULV fog or space spray, re-entry may occur after the treated area has been thoroughly ventilated.

Always consult federal, state and local governing bodies to understand any and all requirements prior to application.

RATE CHART

Amount of NyGuard® IGR Concentrate per gallon of water to treat 1,500 sq. ft.	Amount of NyGuard® IGR Concentrate per unit area	
	1,000 sq. ft.	1,500 sq. ft.
4 ml per gallon (0.01%)	3.0 ml	4.0 ml
8 ml per gallon (0.02%)	5.5 ml	8.0 ml
12 ml per gallon (0.03%)	8.0 ml	12.0 ml
Alternate mixing instructions for outdoor power spraying		
18 ml per 50 gallons of water	0.001%	
38 ml per 50 gallons of water	0.002%	
56 ml per 50 gallons of water	0.003%	

FOR INDOOR AND OUTDOOR CONTROL OF LISTED FLYING INSECTS SUCH AS MOTHS, MOSQUITOES, FLIES AND SMALL NUISANCE FLIES:

NyGuard® IGR Concentrate decreases the number of eggs laid by treated adults and reduces hatch rates. Larvae show physiological and functional defects leading to the inability to develop into normal adults. When used alone, treatment will result in a reduction in adult fly populations after 3 to 4 weeks, when previously hatched adult flies have died naturally. Apply spray dilution to known and suspected breeding sites (such as moist areas with decaying organic matter), as well as areas where these insects are known to travel, rest, hide or harbor. Make application following cleaning and sanitation practices. Tank mix NyGuard® IGR Concentrate with an adulticide to get immediate control of adult stages while inhibiting successful development of immature stages. Monitor insect population and repeat applications at 2 to 4 week intervals, if necessary, depending upon the severity of infestation. If application is being made in food areas, read and follow the "FOOD HANDLING ESTABLISHMENT APPLICATIONS" instructions in this label.

General Surface Application (including Broadcast, Spot and Crack & Crevice):

Apply NyGuard® IGR Concentrate in a surface application at the rate of 4 ml in one gallon of water (or sufficient volume of water to get adequate coverage) to treat 1,500 square feet. Use up to 12 ml per 1,500 square feet for insect populations that are difficult to control or in conditions that make it difficult to get control of target pests. Apply solution as a coarse, wetting spray to breeding and harborage sites. For drains, apply dilution into and around the drain and catch basin area. When possible, treat vertical surfaces surrounding breeding sites, where small flies tend to alight.

Space Spray, Void Injection, ULV and Fog Application:

Read and follow the "ULV AND FOGGING APPLICATION INSTRUCTIONS, INCLUDING SPACE SPRAY AND VOID INJECTION" in the General Application Instructions section of this label. To achieve uniform coverage apply NyGuard® IGR Concentrate as a ULV or fogging treatment, alone or tank mixed with an adulticide. Apply at the rate of 1 ml of concentrate per 1,000 cu. ft. of space to be treated. Direct application to areas where insects are known to travel, rest, hide or harbor.

Foam Application:

For the control of Drain/Fruit Flies, combine NyGuard® IGR Concentrate at the rate of 4 to 8 ml concentrate with one gallon of diluent. To convert this diluent to a foam, add foaming agent at the manufacturer's recommended rate. Using a professional foam applicator, apply finished foam to areas of fly breeding such as drains, traps of sinks, bathtubs and in floor drains. For best results, foam should be applied thoroughly, ensuring all void areas and fly breeding material is treated. Follow the requirements of the foam equipment manufacturer.

Outdoor Application:

Apply as a surface application (including Broadcast, Spot and Crack & Crevice) at the rate of 4 ml in one gallon of water (or sufficient volume of water to get adequate coverage) to treat 1,000 square feet. Use up to 12 ml per 1,000 square feet for insect populations that are difficult to control or in conditions that make it difficult to get control of target pests. Alternate mixing directions for power spraying are to use 18 to 56 ml of concentrate per 50 gallons of water. Apply to surfaces where insects breed, travel, rest, hide or harbor. Treat known and suspected breeding sites on, under and around exterior surfaces of buildings, walls, window frames, around garbage cans, eaves, cracks and crevices, porches, decks, gazebos, patios, carports, garages, stagnant water, moist/shaded areas, fence lines, and other areas where target insects are active or may be hiding. Since NyGuard® IGR Concentrate is photo-stable, outdoor applications on soil surfaces will provide residual IGR activity, depending upon soil type and weather conditions.

FOR INDOOR AND OUTDOOR CONTROL OF LISTED CRAWLING INSECTS SUCH AS FLEAS, LONE STAR TICKS, BEETLES AND OTHER LISTED INSECTS:

NyGuard® IGR Concentrate breaks the reproductive cycle by acting on the immature life stages of fleas, lone star ticks, beetles and other crawling insects, preventing the successful development of adult insects. Flea eggs and flea larvae that contact treated areas will not develop into adult fleas. NyGuard® IGR Concentrate reduces egg production and hatch and inhibits the oviposition (laying of eggs) by engorged lone star tick nymphs. NyGuard® IGR Concentrate is a valuable component of an integrated program to control fleas, beetles, lone star ticks and other crawling insects. If application is being made in food areas, read and follow the "FOOD HANDLING ESTABLISHMENT APPLICATIONS" instructions in this label.

PREVENTATIVE FLEA TREATMENT: NyGuard® IGR Concentrate can be used as a preventative treatment prior to the flea season. Application of this product in areas where pets and other animals are known to frequent and where previous infestations have been known to occur will reduce the emergence of adult fleas and also control immature stages of fleas. Indoor treatments of NyGuard® IGR Concentrate provide up to 7 months of residual flea control, so this early usage could reduce the need for conventional insecticides when used alone as directed. Apply as a surface application at the rate of 4 to 8 ml in one gallon of water (or sufficient volume of water to get adequate coverage) to treat 1,500 square feet.

TREATING ESTABLISHED INFESTATIONS

General Surface Application (including Broadcast, Spot and Crack & Crevice):

Apply as a surface application at the rate of 4 ml in one gallon of water (or sufficient volume of water to get adequate coverage) to treat 1,500 square feet. Use up to 12 ml per 1,500 square feet for insect populations that are difficult to control or in conditions that make it difficult to get control of target pests. Treat all areas that may harbor target insects, such as carpets, furniture, pet sleeping areas and throw rugs. Treat under cushions of upholstered furniture. Use with an adulticide to get immediate control of adult insects. Do not allow children or pets to contact treated surfaces until spray has thoroughly dried.

In Conjunction with Carpet Shampoo: NyGuard® IGR Concentrate may be combined with a liquid, non-heat extracting, carpet shampoo application. Mix 4 ml of NyGuard® IGR Concentrate per gallon of diluted shampoo to be applied to carpet. Mix well and shampoo carpet as per instructions on the shampoo product label. Allow carpet to completely dry and vacuum thoroughly.

In Kennels and Doghouses: Apply as a surface application (including Broadcast, Spot and Crack & Crevice) at the rate of 4 ml in one gallon of water (or sufficient volume of water to get adequate coverage) to treat 1,500 square feet. Use up to 12 ml per 1,500 square feet for insect populations that are difficult to control or in conditions that make it difficult to get control of target pests. Remove animals before spraying. Apply in and around buildings, resting areas, walls, floor, animal bedding and run areas. Animals may be returned to treated areas when spray has thoroughly dried.

Space Spray, Void Injection, ULV and Fog Application: Read and follow the "ULV AND FOGGING APPLICATION INSTRUCTIONS, INCLUDING SPACE SPRAY AND VOID INJECTION" in the General Application Instructions section of this label. To achieve uniform coverage apply NyGuard® IGR Concentrate as a ULV or fogging treatment, alone or tank mixed with an adulticide. Apply at the rate of 1 ml of concentrate per 1,000 cu. ft. of space to be treated. Direct application to areas where target insects are known to travel, rest, hide or harbor.

Outdoor Application: Apply as a surface application (including Broadcast, Spot and Crack & Crevice) at the rate of 4 ml in one gallon of water (or sufficient volume of water to get adequate coverage) to treat 1,000 square feet. Use up to 12 ml per 1,000 square feet for insect populations that are difficult to control or in conditions that make it difficult to get control of target pests. Alternate mixing directions for power spraying are to use 18 to 56 ml of concentrate per 50 gallons of water. Remove animals before spraying. Apply to listed outdoor areas where target insects are suspected or known to breed, travel, rest, hide or harbor. To help prevent insect infestation of buildings: Treat building exteriors, foundations and soil or other substrate adjacent to buildings. Application on soil surfaces will provide 30 to 60 days of IGR activity, depending upon insect type, soil type and weather conditions.

FOR CONTROL OF LISTED COCKROACHES, CRICKETS:

NyGuard® IGR Concentrate acts on the immature life stages and prevents nymphal cockroaches and crickets from developing into reproductive adults. Shortly after application of this concentrate, cockroaches with twisted wings and other deformities will begin to appear, indicating that NyGuard® IGR Concentrate has taken effect—those cockroaches are unable to reproduce. May be used in a program with cockroach baits such as Vendetta® Cockroach Gel Bait. One treatment works for 6 months against cockroach nymphs and crickets. If application is being made in food areas, read and follow the "FOOD HANDLING ESTABLISHMENT APPLICATIONS" instructions in this label.

General Surface Application (including Broadcast, Spot and Crack & Crevice):

Apply as a surface application at the rate of 12 ml in one gallon of water to treat 1,500 square feet. Apply diluted spray as a spot treatment, surface application and crack and crevice spray. Treat all areas where target insects are known or suspected to travel, rest, hide or harbor. Tank mix with an adulticide to provide immediate control of adult stages. Contact as many insects as possible with this spray. Special attention should be paid to hiding places such as beneath sinks, behind and beneath stoves and refrigerators, cracks and crevices, around garbage cans, cabinets, along the outside of baseboards, door and window sills, door and window frames and floors, around and on drains, pipes, plumbing, behind bookcases, storage and other utility installation areas, and the inside of cabinets and closets hitting insects with spray whenever possible. Repeat application in 6 months, or more frequently if necessary.

Space Spray, Void Injection, ULV and Fog Application: Read and follow the "ULV AND FOGGING APPLICATION INSTRUCTIONS, INCLUDING SPACE SPRAY AND VOID INJECTION" in the General Application Instructions section of this label. To achieve uniform coverage apply NyGuard® IGR Concentrate as a ULV or fogging treatment, alone or tank mixed with an adulticide. Apply at the rate of 1 ml of concentrate per 1,000 cu. ft. of space to be treated. Direct application to areas where insects are known to travel, rest, hide or harbor.

Outdoor Application: Apply as a surface application (including Broadcast, Spot and Crack & Crevice) at the rate of 12 ml of concentrate in one gallon of water (or sufficient volume of water to get adequate coverage) to treat 1,500 square feet. For building perimeter applications, apply in a band 2-6 feet adjacent to and around the structure and apply to a height of 2-3 feet on the foundation where pests may be active or may find entrance. Apply spray on, around and beneath window frames, doors, garage doors, patios, decks, turf, landscaping, compost areas, garbage areas and other areas where target insects travel, feed, rest, hide or harbor. Alternate mixing directions for outdoor power spraying are to use 56 ml of concentrate per 50 gallons of water.

FOR CONTROL OF ANTS:

General Surface Application Indoors: NyGuard® IGR Concentrate may be used as part of an integrated approach to control ants. Apply broadcast, spot or crack and crevice treatments of NyGuard® IGR Concentrate at the rate of 12 ml diluted in water per 1,500 square feet to interior areas where ants are actively foraging and traveling. May be used in conjunction with baits and/or residual treatments. If application is being made in food areas, read and follow the "FOOD HANDLING ESTABLISHMENT APPLICATIONS" instructions in this label.

Outdoor Application: Apply as an outdoor surface application (including Broadcast, Spot and Crack & Crevice) at the rate of 12 ml of concentrate in one gallon of water (or sufficient volume of water to get adequate coverage) to treat 1,500 square feet. Alternate mixing directions for outdoor power spraying are to use 56 ml of concentrate per 50 gallons of water. For building perimeter applications, apply in a band 2-6 feet adjacent to and around the structure and apply to a height of 2-3 feet on the foundation where ants may travel or find entrance. Apply directly to known or suspected ant forage, trails and forage sites. Treat ant mounds or nests directly, with a wetting spray. NyGuard® IGR Concentrate may be used in a program with baits or in a tank mix combination with adulticide insecticide.

FOR CONTROL OF LISTED STORED PRODUCT PESTS:

(including Indian Meal Moths, Rice Moths, Tobacco Moths, Red Flour Beetles, Confused Flour Beetles, Lesser Grain Borers, Merchant Grain Beetles, Sawtoothed Grain Beetles, Warehouse Beetles, Cigarette Beetles, Dermestid Beetles). If application is being made in food areas, read and follow the "FOOD HANDLING ESTABLISHMENT APPLICATIONS" instructions in this label.

General Surface Application (including Broadcast, Spot and Crack & Crevice):

Apply as a surface application at the rate of 8 ml in one gallon of water to treat 1,500 square feet. Use up to 12 ml per 1,500 square feet for insect populations that are difficult to control or in conditions that make it difficult to get control of target pests. Apply diluted spray as a spot treatment, surface application and crack and crevice spray. Treat all areas where target insects are known or suspected to travel, rest, hide or harbor such as cracks and crevices in walls and floors, under and between pallets, areas at the base of machinery and equipment, under furniture, in mop and equipment closets, behind cabinets, behind and under refrigerators, sinks, stoves, drawers under shelves and racks, around pipes and openings in floors and walls, along baseboards, in wall voids, and other areas where insects seek harborage. Since NyGuard® IGR Concentrate is stable and not volatile, spot, and/or crack and crevice treatment may be used while a food processing facility is in operation, provided exposed food is covered or removed from the area being treated prior to application. Tank mix with an adulticide to provide immediate control of adult stages. Contact as many insects as possible. Repeat application in 6 months, or more frequently if necessary.

Space Spray, Void Injection, ULV and Fog Application:

Read and follow the "ULV AND FOGGING APPLICATION INSTRUCTIONS, INCLUDING SPACE SPRAY AND VOID INJECTION" in the General Application Instructions section of this label. To achieve uniform coverage apply NyGuard® IGR Concentrate as a ULV or fogging treatment, alone or tank mixed with an adulticide. Apply at the rate of 1 ml of concentrate per 1,000 cu. ft. of space to be treated. Direct application to areas where insects are known to travel, rest, hide or harbor.

USE IN LIVESTOCK, POULTRY AND ANIMAL PRODUCTION FOR CONTROL OF INSECT PESTS IN AND AROUND DAIRIES, LIVESTOCK, POULTRY AND OTHER ANIMAL HOUSING AND FACILITIES (including kennels, animal shelters, stables and zoos)

NyGuard® IGR Concentrate may be used by pest control professionals and livestock producers (including poultry) in, on and around animal housing and facilities to control listed flying insect pests. NyGuard® IGR Concentrate mimics naturally occurring insect growth hormones, disrupting the reproductive processes of listed insects, resulting in reduced egg production, reduced egg hatch rates, disruption or inhibition of normal molting processes, deformity, sterile adults and death. NyGuard® IGR Concentrate effectively breaks the cycle of insect reproduction. It is an important component in an IPM program, and is a means to prevent or manage known resistant insect populations, such as Tempo® resistant flies. Used as directed, NyGuard® IGR Concentrate will not harm beneficial insects such as predatory wasps.

Apply as a spot treatment; general surface broadcast treatment, ULV fog, spot or crack and crevice application to interior and exterior areas where insect pests collect, travel, rest, hide, harbor or breed. Apply when animals are not in the immediate area being treated. Animals may reenter treated area once spray solution has thoroughly dried. Do not contaminate food, feed, potable water or watering equipment.

RATES TO CONTROL MOSQUITOES AND OTHER FLYING INSECTS

NyGuard® IGR Concentrate effects on both adult and juvenile insect stages. It decreases the number of eggs laid by treated adults and reduces hatch rates. Larvae (maggots) show physiological and functional defects leading to the inability to develop into normal adults. When used alone treatment will result in a reduction in adult fly populations after 3-4 weeks, when previously hatched adult flies have died naturally. For faster results, NyGuard® IGR Concentrate may be tank mixed with an adulticide. Apply alone or tank mixed with an adulticide at the rate of 4 ml per 1,500 square feet of surface area in sufficient volume of water to thoroughly wet the surface, although not to the point that runoff occurs. Use up to 12 ml of concentrate per 1,500 square feet of surface for insect populations that are difficult to control or in conditions that make it difficult to achieve desired results.

RATES TO CONTROL LISTED CRAWLING INSECTS

Apply NyGuard® IGR Concentrate alone or tank mixed with an adulticide at the rate of 4 ml per 1,500 square feet of surface in sufficient volume of water to thoroughly wet the surface, although not to the point that runoff occurs. Use up to 12 ml of concentrate per 1,500 square feet of surface for insect populations that are difficult to control or in conditions that make it difficult to achieve desired results.

Space Spray, Void Injection, ULV and Fog Application: Read and follow the "ULV AND FOGGING APPLICATION INSTRUCTIONS, INCLUDING SPACE SPRAY AND VOID INJECTION" in the General Application Instructions section of this label. NyGuard® IGR Concentrate may be applied with a ULV generator or fogger at a rate of 1 ml per 1,000 cubic feet. If used alone, dilute concentrate with water at the rate of 1 ml of concentrate with 1 fl. oz. of water, and fog solution at a rate of 1 fl. oz. per 1,000 cubic feet. When tank mixing with a pyrethrum fogging concentrate, mix NyGuard® IGR Concentrate directly with the pyrethrum fogging concentrate solution. Do not remain in treated area after fogging. Keep facility closed for 1 hour and thoroughly ventilate prior to re-entry.

INTERIOR AND PERIMETER APPLICATION DIRECTIONS

Inspect and identify harborage and breeding areas. Treat all interior areas where crawling insects may collect, travel, rest, hide, harbor or breed, including vertical walls, ceilings, posts, pipes, conduit, around doors and windows, cages, stalls, stanchions, floors, under watering equipment and feeders, cracks and crevices along floors, animal bedding, manure and other known or potential breeding sites. Control will be enhanced when facilities are cleaned and interior applications are supplemented with exterior perimeter treatments. Apply solution to exterior perimeter of facility in a uniform band at least 1 foot up and 6 to 10 feet out from foundation. Apply around the exterior surfaces of doors and windows, overhead areas and other potential points of harborage or entry. If there are raised floors with soil or debris beneath them, be sure to treat the area beneath the floor.

EXTERIOR AND OUTDOOR APPLICATION DIRECTIONS

Inspect and identify known or suspected harborage and breeding areas. Treat known or potential exterior breeding sites such as garbage bins or refuse piles, around grain or feed storage facilities, soil and vegetation in fence lines, compost piles, manure piles, beneath watering equipment or feeders, in, around and under calf hutches, in and beneath outdoor cages, in corrals, farmyards and feed lots.

Reapply every 30 days, or when target insect populations return to economic threshold levels.

FOR CONTROL OF LITTER BEETLES (such as Darkling, Hide and Carrion Beetles)

NyGuard® IGR Concentrate can be applied to litter, such as in poultry houses infested with Litter Beetles, to break the life cycle of these insect pests. When used as directed, NyGuard® IGR Concentrate will not harm beneficial insects in animal litter or bedding, such as predatory wasps. Make uniform application of NyGuard® IGR Concentrate to litter at the rate of 4 ml of NyGuard® IGR Concentrate per 1,500 square feet of surface in sufficient volume of water to thoroughly wet the surface, although not to the point that runoff occurs. Use up to 12 ml of concentrate per 1,500 square feet of surface for insect populations that are difficult to control or in conditions that make it difficult to achieve desired results.

For effective prevention of beetle larvae in litter, remove animals from immediate treatment area and old litter. Surface treatments immediately after animals are removed and again just prior to new animal placement are most effective. Adult egg-laying beetles can be killed with an adulticide such as Onslaught® Microencapsulated Insecticide. Application of adulticide to walls and floors at cleanout, before reintroduction of animals, will suppress beetles that escaped earlier treatment and will help delay onset of future infestations. Pay attention to areas where beetles frequently occur, such as walls, supports, cages, stalls and around feeders.

Apply NyGuard® IGR Concentrate uniformly to floor area and to walls, posts, and cage framing (birds grown in cages only). Application should also be made into cracks and crevices around insulation. Reapply after each grow-out or sanitization procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply NyGuard® IGR Concentrate or adulticide insecticides, or both, in a uniform band at least 1 foot up and 6 to 10 feet out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

USE AS A MOSQUITO LARVICIDE

- Not for use in natural holding waters or active waterways.
- Not for wide area mosquito use. Do not apply using truck mounted sprayers or aerial application equipment.
- Active only on the immature life stages of mosquitoes. Tank mix or use with an adulticide for immediate kill of biting (adult) mosquitoes.

RESIDENTIAL AND COMMERCIAL SITES

Apply using a backpack sprayer, ULV cold fogger, compressed air sprayer, power sprayer, or handheld sprayer at a rate of 4 to 8 ml of NyGuard® IGR Concentrate per 1,500 sq. ft. in sufficient amount of water to get good coverage of target site. Use up to 12 ml per 1,500 square feet for insect populations that are difficult to control or in conditions that make it difficult to get control of target pests. Alternate mixing instructions are 16–48 ml of concentrate per 50 gallons of water. Treat moist, shady areas where mosquitoes rest, harbor or breed, such as trees, shrubs, landscape plants, tall grass or plant foliage, non-drinkable standing water, gutters, drains, under decks, in-ground sprinkler heads, pet areas, fountains, birdbaths, landscape timbers, rocks, pavers, planters and fences. Tank mix NyGuard® IGR Concentrate with an adulticide to get immediate control of the biting adult stages, while inhibiting successful development of immature stages. Monitor insect emergence and re-apply every 28 days, or when insect populations reach treatment threshold levels.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Do not induce vomiting because of aspiration pneumonia hazard. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs.

Cover or remove all food and food processing surfaces. Thoroughly wash all food processing surfaces before reuse. After spraying in bakeries, meat packing plants, food processing plants, etc., all benches, shelving, equipment, etc. where exposed food will be handled must be washed with an effective compound followed by a potable water rinse to remove all traces of contamination. Food processing operations do not have to be stopped while applying a wet spray with care and in accordance with the directions and cautions above in those establishments which do NOT operate under Federal meat, poultry, shell egg grading and egg products inspection program.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

Note to physician: Vomiting may cause aspiration pneumonia.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-888-740-8712.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store this product in its original container in a cool, dry, well-ventilated area that is inaccessible to children and pets. Store away from food and pet food.

PESTICIDE DISPOSAL AND CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill.

Triple rinse as follows [For containers less than or equal to 5 gallons]: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse as follows [For containers that are greater than 5 gallons:] Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.



EPA Reg. No. 1021-1603
EPA Est. No. 1021-MN-2
Rev. 0616-0616



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8810 Tenth Avenue North, Minneapolis, MN 55427

SAFETY DATA SHEET (GHS)



Date Issued : 6/12/2014
MSDS No : NyGuard® IGR
Date-Revised : 6/11/2014
Revision No : 1

NyGuard® IGR Concentrate

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NyGuard® IGR Concentrate
PRODUCT DESCRIPTION: An Emulsifiable Insecticide Concentrate with Insect Growth Regulator.
PRODUCT CODE: 2482A, EPA REG. NO. : 1021-1603
ACTIVE INGREDIENT(S): NYLAR® (Pyriproxyfen)

MANUFACTURER

McLaughlin Gormley King Company
 8810 10th Avenue North
 Minneapolis, MN 55427

Emergency Contact: SafetyCall®

Emergency Phone: 1(888) 740-8712

Alternate Emergency Phone: 1(952) 852-9509

Product Stewardship: 1(800) 645-6466

E-Mail: mgk-sds@mgk.com

24 HR. EMERGENCY TELEPHONE NUMBERS

FOR TRANSPORTATION:

CHEMTREC® U.S. and CANADA: 1(800) 424-9300

CHEMTREC® All Other Areas: 1(703) 527-3887

COMMENTS: MGK® Hours of operation are 8:00 am to 4:30 pm CST, 14:00 to 22:30 GMT.

For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to 1-888-740-8712 or 1-952-852-9509 outside of the U.S.A.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
 Eye Irritation, Category 2B
 Acute Toxicity (Inhalation), Category 5
 Acute Toxicity (Oral), Category 5

Environmental:

Acute Hazards to the Aquatic Environment, Category 1

GHS LABEL



Exclamation
 mark
 (GHS 07)



Environment
 (GHS 09)

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
 H320: Causes eye irritation.
 H333: May be harmful if inhaled.
 H303: May be harmful if swallowed.

SAFETY DATA SHEET (GHS)



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NyGuard® IGR Concentrate

H400: Very toxic to aquatic life.

PRECAUTIONARY STATEMENT(S)

Prevention:

- P202: Do not handle until all safety precautions have been read and understood.
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P270: Do not eat, drink, or smoke when using this product.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

- P501: Dispose of contents/container to an approved waste disposal plant.

COMMENTS: This material is considered hazardous by the 2012 OSHA Hazard Communication Standard [29 CFR 1910.1200(a)(1)], and the G.H.S.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
NYLAR® (Pyriproxyfen)	10	95737-68-1

COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

INHALATION: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This product is NOT classified as flammable or combustible by OSHA.

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

SAFETY DATA SHEET (GHS)



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 Revision No : 1

NyGuard® IGR Concentrate

HAZARDOUS COMBUSTION PRODUCTS: This product is classified as Non-Combustible, however in the extreme temperatures that fires may produce, some of the constituents of this formula may decompose to give off such gases as carbon dioxide, carbon monoxide, and nitrogen oxides.

FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent such as sand, or vermiculite. Clean spill area of residues and absorbent.

LARGE SPILL: Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, storage tanks, etc., via drains, pumps, etc. Absorb with appropriate absorbent such as sand or vermiculite. Clean spill area of residues and absorbent.

GENERAL PROCEDURES: Contaminated absorbent and wash water should be disposed of according to local state/provincial and federal/national regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.

HANDLING: Take prudent precautions to avoid contact with skin, eyes, and clothing. Do not contaminate water, food or feedstuffs, by storage, handling, or by disposal.

READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT LABEL.

STORAGE: Store in a cool, dry place. Keep container closed. Always store pesticides in the original container. Store away from food and pet-food.

KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
NYLAR® (Pyriproxyfen)	TWA	None		None		None	

ENGINEERING CONTROLS: Ventilate treatment area thoroughly before re-entry.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Take prudent precautions to avoid contact with eyes.

SKIN: Take prudent precautions to avoid contact with skin and clothing.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA!

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NyGuard® IGR Concentrate

Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Sweet surfactant odor.

APPEARANCE: Yellow to amber oily liquid.

COLOR: 3.0 on Gardner Scale.

pH: 5

Notes: @ 10% in water.

FLASHPOINT AND METHOD: > 93.3°C (200°F) TAG Closed Cup

VAPOR DENSITY: Heavier than air.

FREEZING POINT: Not Available

SOLUBILITY IN WATER: Partially miscible in water.

SPECIFIC GRAVITY: 0.939 (Water = 1) at 20 °C (68 °F)

VISCOSITY #1: 28 CPS at 22 °C (71.6 °F) Brookfield

(VOC): 0 %

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Not compatible with strong acids or bases. Not compatible with strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: > 5000 mg/kg

Notes: Albino rabbit.

ORAL LD₅₀: > 5000 mg/kg

Notes: Albino rat.

INHALATION LC₅₀: > 5.05 mg/L

Notes: Rats exposed for 4 hours to test atmosphere. The Acute Inhalation LC₅₀ of this material places it in EPA Toxic Category IV.

EYE EFFECTS: Irritation clearing by Day 4.

SKIN EFFECTS: Slight irritation at 72 hours. Irritation Index = 2.5

SENSITIZATION: Negative; Not considered to be a dermal sensitizer to albino guinea pigs.

GENERAL COMMENTS: Some or all of the toxicity data reported above was bridged from a substantially similar formula.

COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

SAFETY DATA SHEET (GHS)



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NyGuard® IGR Concentrate

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment, wash water, or rinsate. See the "Directions for Use" on the product label for additional precautions and requirements.

13. DISPOSAL CONSIDERATIONS

EMPTY CONTAINER: Non-refillable container. DO NOT reuse or refill this container.

Triple-rinse container (or equivalent) promptly after emptying. Then, offer for recycling if available, or puncture and dispose of container in a sanitary landfill.

Triple-rinse as follows for containers less than < 5 gallons (< 18.9 L) or less: Empty the remaining contents into application equipment or a mix-tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and re-cap. Shake for 10 seconds. Pour rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple-rinse as follows for containers greater than > 5 gallons (> 18.9 L): Empty the remaining contents into application equipment or a mix-tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Repeat this procedure two more times.

RCRA/EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

OTHER SHIPPING INFORMATION: This material is considered to be NON-HAZARDOUS by DOT regulations.

AIR (ICAO/IATA)

SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

NOTE: Not considered hazardous by IATA/ ICAO regulations for transportation via air.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Available

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes

313 REPORTABLE INGREDIENTS: This product contains no SARA Title III Section 313 chemicals that exceed the reporting

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limits.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

REGULATIONS

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS (VOC):

This product contains no VOC's (0%).

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

NOTE: This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

CAUTION. Causes moderate eye irritation. Do not induce vomiting because of aspiration pneumonia hazard. Avoid contact with skin, eyes, and clothing.

PHYSICAL OR CHEMICAL HAZARDS: Do not use this product in or on electrical equipment due to the possibility of shock hazard.

16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 6/11/2014 MSDS. Revised: **Section 9:** APPEARANCE, COLOR, FLASHPOINT AND METHOD, ODOR, pH, SPECIFIC GRAVITY, VISCOSITY #1, (VOC). **Section 11:** ACUTE (DERMAL LD₅₀ (rabbit), ORAL LD₅₀ (rat), ORAL LD₅₀ (rat), INHALATION LC₅₀ (rat)), EYE EFFECTS, SKIN EFFECTS. **Section 15:** STATE REGULATIONS.

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

HMIS RATINGS NOTES: We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he or she must ensure that the proper Personal Protective Equipment is provided, consistent with the information contained in Section's 2, 7, and 8 of this MSDS.

COMMENTS: The data contained herein are based on information currently available to McLaughlin Gormley King Company and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which McLaughlin Gormley King Company assumes legal responsibility.

SAFETY DATA SHEET (GHS)



Date Issued : 6/12/2014
MSDS No : NyGuard® IGR
Date-Revised : 6/11/2014
Revision No : 1

NyGuard® IGR Concentrate

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NyGuard® IGR Concentrate
PRODUCT DESCRIPTION: An Emulsifiable Insecticide Concentrate with Insect Growth Regulator.
PRODUCT CODE: 2482A, EPA REG. NO. : 1021-1603
ACTIVE INGREDIENT(S): NYLAR® (Pyriproxyfen)

MANUFACTURER

McLaughlin Gormley King Company
 8810 10th Avenue North
 Minneapolis, MN 55427
Emergency Contact: SafetyCall®
Emergency Phone: 1(888) 740-8712
Alternate Emergency Phone: 1(952) 852-9509
Product Stewardship: 1(800) 645-6466
E-Mail: mgk-sds@mgk.com

24 HR. EMERGENCY TELEPHONE NUMBERS

FOR TRANSPORTATION:

CHEMTREC® U.S. and CANADA: 1(800) 424-9300
CHEMTREC® All Other Areas: 1(703) 527-3887

COMMENTS: MGK® Hours of operation are 8:00 am to 4:30 pm CST, 14:00 to 22:30 GMT.

For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to 1-888-740-8712 or 1-952-852-9509 outside of the U.S.A.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
 Eye Irritation, Category 2B
 Acute Toxicity (Inhalation), Category 5
 Acute Toxicity (Oral), Category 5

Environmental:

Acute Hazards to the Aquatic Environment, Category 1

GHS LABEL



Exclamation
 mark
 (GHS 07)



Environment
 (GHS 09)

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
 H320: Causes eye irritation.
 H333: May be harmful if inhaled.
 H303: May be harmful if swallowed.

SAFETY DATA SHEET (GHS)



Date Issued : 6/12/2014
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NyGuard® IGR Concentrate

MSDS Prepared by T. Azzivitto

SAFETY DATA SHEET (GHS)



Date Issued : 6/12/2014
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Date-Revised : 6/11/2014
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NyGuard® IGR Concentrate

H400: Very toxic to aquatic life.

PRECAUTIONARY STATEMENT(S)

Prevention:

- P202: Do not handle until all safety precautions have been read and understood.
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P270: Do not eat, drink, or smoke when using this product.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

- P501: Dispose of contents/container to an approved waste disposal plant.

COMMENTS: This material is considered hazardous by the 2012 OSHA Hazard Communication Standard [29 CFR 1910.1200(a)(1)], and the G.H.S.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
NYLAR® (Pyriproxyfen)	10	95737-68-1

COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

INHALATION: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This product is NOT classified as flammable or combustible by OSHA.

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

SAFETY DATA SHEET (GHS)



Date Issued : 6/12/2014
 MSDS No : NyGuard® IGR
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NyGuard® IGR Concentrate

HAZARDOUS COMBUSTION PRODUCTS: This product is classified as Non-Combustible, however in the extreme temperatures that fires may produce, some of the constituents of this formula may decompose to give off such gases as carbon dioxide, carbon monoxide, and nitrogen oxides.

FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent such as sand, or vermiculite. Clean spill area of residues and absorbent.

LARGE SPILL: Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, storage tanks, etc., via drains, pumps, etc. Absorb with appropriate absorbent such as sand or vermiculite. Clean spill area of residues and absorbent.

GENERAL PROCEDURES: Contaminated absorbent and wash water should be disposed of according to local state/provincial and federal/national regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.

HANDLING: Take prudent precautions to avoid contact with skin, eyes, and clothing. Do not contaminate water, food or feedstuffs, by storage, handling, or by disposal.

READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT LABEL.

STORAGE: Store in a cool, dry place. Keep container closed. Always store pesticides in the original container. Store away from food and pet-food.

KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
NYLAR® (Pyriproxyfen)	TWA	None		None		None	

ENGINEERING CONTROLS: Ventilate treatment area thoroughly before re-entry.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Take prudent precautions to avoid contact with eyes.

SKIN: Take prudent precautions to avoid contact with skin and clothing.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA!

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Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Sweet surfactant odor.

APPEARANCE: Yellow to amber oily liquid.

COLOR: 3.0 on Gardner Scale.

pH: 5

Notes: @ 10% in water.

FLASHPOINT AND METHOD: > 93.3°C (200°F) TAG Closed Cup

VAPOR DENSITY: Heavier than air.

FREEZING POINT: Not Available

SOLUBILITY IN WATER: Partially miscible in water.

SPECIFIC GRAVITY: 0.939 (Water = 1) at 20 °C (68 °F)

VISCOSITY #1: 28 CPS at 22 °C (71.6 °F) Brookfield

(VOC): 0 %

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Not compatible with strong acids or bases. Not compatible with strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: > 5000 mg/kg

Notes: Albino rabbit.

ORAL LD₅₀: > 5000 mg/kg

Notes: Albino rat.

INHALATION LC₅₀: > 5.05 mg/L

Notes: Rats exposed for 4 hours to test atmosphere. The Acute Inhalation LC₅₀ of this material places it in EPA Toxic Category IV.

EYE EFFECTS: Irritation clearing by Day 4.

SKIN EFFECTS: Slight irritation at 72 hours. Irritation Index = 2.5

SENSITIZATION: Negative; Not considered to be a dermal sensitizer to albino guinea pigs.

GENERAL COMMENTS: Some or all of the toxicity data reported above was bridged from a substantially similar formula.

COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

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12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment, wash water, or rinsate. See the "Directions for Use" on the product label for additional precautions and requirements.

13. DISPOSAL CONSIDERATIONS

EMPTY CONTAINER: Non-refillable container. DO NOT reuse or refill this container.

Triple-rinse container (or equivalent) promptly after emptying. Then, offer for recycling if available, or puncture and dispose of container in a sanitary landfill.

Triple-rinse as follows for containers less than < 5 gallons (< 18.9 L) or less: Empty the remaining contents into application equipment or a mix-tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and re-cap. Shake for 10 seconds. Pour rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple-rinse as follows for containers greater than > 5 gallons (> 18.9 L): Empty the remaining contents into application equipment or a mix-tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Repeat this procedure two more times.

RCRA/EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

OTHER SHIPPING INFORMATION: This material is considered to be NON-HAZARDOUS by DOT regulations.

AIR (ICAO/IATA)

SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Non-Hazardous

NOTE: Not considered hazardous by IATA/ ICAO regulations for transportation via air.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Available

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes

313 REPORTABLE INGREDIENTS: This product contains no SARA Title III Section 313 chemicals that exceed the reporting

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limits.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

REGULATIONS

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS (VOC):

This product contains no VOC's (0%).

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):

NOTE: This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

CAUTION. Causes moderate eye irritation. Do not induce vomiting because of aspiration pneumonia hazard. Avoid contact with skin, eyes, and clothing.

PHYSICAL OR CHEMICAL HAZARDS: Do not use this product in or on electrical equipment due to the possibility of shock hazard.

16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 6/11/2014 MSDS. Revised: **Section 9:** APPEARANCE, COLOR, FLASHPOINT AND METHOD, ODOR, pH, SPECIFIC GRAVITY, VISCOSITY #1, (VOC). **Section 11:** ACUTE (DERMAL LD₅₀ (rabbit), ORAL LD₅₀ (rat), ORAL LD₅₀ (rat), INHALATION LC₅₀ (rat)), EYE EFFECTS, SKIN EFFECTS. **Section 15:** STATE REGULATIONS.

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

HMIS RATINGS NOTES: We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he or she must ensure that the proper Personal Protective Equipment is provided, consistent with the information contained in Section's 2, 7, and 8 of this MSDS.

COMMENTS: The data contained herein are based on information currently available to McLaughlin Gormley King Company and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which McLaughlin Gormley King Company assumes legal responsibility.

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MSDS Prepared by T. Azzivitto