NyGuard®
IGR CONCENTRATE

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
- Reduces egg production in houseflies 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

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. **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. **DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. See attached booklet for Directions for use and Storage and Disposal instructions.

Net Contents 480 mL

Rev. 0711-0115 xxxxx-xxxx
EPA Reg. No. 1021-1603
EPA Est. No. 1021-MN-2[A], 63416-MN-1[B], 70815-GA-1[C]
Superscript is the first character of the lot number.

Manufactured by:
8810 Tenth Avenue North • Minneapolis, MN 55427
MGK®

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Department of Agriculture
STATE OF HAWAII
LICENSED
PERIOD 2015-2017 LIC. NO.
9472.22

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See inside Booklet for Additional Precautionary Language and Directions for Use.

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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.	

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.

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.

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
Aircraft (cargo areas only)
Animal Housing Facilities
Animal Quarters
Animal Research Facilities
Apartment Buildings
Apartments
Appliances
Assisted Living Facilities
Atriums
Attics
Automobiles
Backyards
Bakeries
Barns
Basements
Bathrooms
Bed Frames
Bedrooms
Boats
Boiler Rooms
Bookshelves
Bottling Facilities
Box Springs
Boxcars
Breweries
Building Exteriors
Building Foundations
Building Perimeters
Buses
Cabinets
Cabins
Cafeterias
Calf Hutches
Campers
Campsites
Candy Plants
Cargo Holds
Carpets
Casinos
Cemeteries
Cereal Processing Facilities
Chests
Child Care Centers
Closed Porches
Closets
Clothes Storage
Coffee Houses
Colleges
Commercial Buildings
Compost
Composting Sites
Condominiums
Convenience Stores
Crawl Spaces
Crematoriums
Cupboards
Dairies
Day Care Centers
Decks
Delicatessens
Dens
Detention Centers
Dining Halls
Dog Houses
Dog Kennels
Dog Runs
Dormitories
Drains
Draperies
Dressers
Drive-Ins
Drugstores
Egg Production Facilities
Equipment
Equipment Voids
Fabric Storage Areas
Factories
Farm Buildings
Farms
Farmyards
Feedlots
Floors
Flour Mills
Food Handling Areas
Food Packing Plants
Food Processing Plants
Food Storage Areas
Food Warehouses
Foundations
Funeral Parlors
Furniture
Garages
Garbage Areas
Garbage Cans
Gas Stations
Gazebos
Grain Storage Facilities
Grass
Grocery Stores
Headboards
Health Clubs

(continued on next page)

Homes
Hospices
Hospitals
Hotels
Indoor Eating Establishments
Industrial Buildings
Industrial Plants
Institutional Buildings
Institutional Dining Areas
Institutions
Jails
Kennels
Kitchens
Laboratories
Lanais
Landscape Plants
Landscaping
Lawns
Libraries
Livestock Housing
Livestock Production Facilities
Living Rooms
Locker Rooms
Manufacturing Plants
Marine Vessels
Mass Merchandising Stores
Mattresses
Mausoleums
Meat & Produce Canneries
Meat Processing Plants
Mess Halls
Mobile Canteens
Mobile Homes
Morgues
Mortuaries
Motels
Mulch
Nursing Homes
Office Buildings
Offices
Other Public Buildings
Outdoor Eating Establishments
Pantries
Parks
Patios
Pet Areas
Pet Bedding
Pet Carriers
Pet Grooming Parlors
Pet Quarters
Pet Sleeping Areas
Pet Stores
Play Houses
Play Rooms
Porches
Poultry Houses
Prisons
Public Buildings
Railroad Cars
Recreation Vehicles
Recreational Areas Indoors
Recreational Areas Outdoors
Residential Homes
Restaurants
Rooms
Rugs
Schools
Septic Tanks
Ship Cargo Holds
Ships
Shutters
Side Yards
Soil
Solariums
Spas
Sports Stadiums
Stockyards
Storage Areas
Stored Food Areas
Stored Food Warehouses
Stores
Sun Porches
Sun Rooms
Supermarkets
Swine Production Facilities
Taverns
Theaters
Tobacco Plants and Warehouses
Town Houses
Trailers
Trains
Transportation Vehicles
Tree Houses
Trucks
Universities
Upholstered Furniture
Utility Room Indoor
Utility Room Outdoor
Vending Machines
Verandas
Veterinaries
Warehouses
Washrooms
Yards
Zoos

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

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. feet	1,500 sq. ft
4 mL per gallon (0.01%)	3 mL	4 mL
8 mL per gallon (0.02%)	5.5 mL	8 mL
12 mL per gallon (0.03%)	8 mL	12 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 – 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 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 – 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 – 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, Saw-toothed 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 reentry.

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 lifecycle 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 LARVACIDE

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 hand-held sprayer at a rate of 4 – 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, 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.

STORAGE AND DISPOSAL

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

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

PESTICIDE DISPOSAL AND CONTAINER HANDLING:
Nonrefillable 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: 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.