



Department of Agriculture  
STATE OF HAWAII

**LICENSED**

PERIOD **2014-2016** LIC. NO. **9472.40**



Department of Agriculture  
STATE OF HAWAII

**LICENSED**

PERIOD **2011-2013** LIC. NO.

IGR CONCENTRATE



Emulsifiable concentrate with Insect Growth Regulator for control of Fleas, Stored Product Pests, listed Roaches, Crickets, Litter Beetles and Flying Insects

For use in home and in food and non-food areas of restaurants, food processing plants, food and non-food warehouses, grocery stores and supermarkets, schools, office buildings, apartments, hotels and motels, hospitals, tobacco plants and warehouses, manufacturing plants, commercial and industrial buildings, transportation equipment (automobiles, boxcars, buses, boats, trucks, railcars, ship cargo holds) and outside on lawns and building perimeters

- Inhibits reinfestation by fleas for up to 7 months
- NyGuard® EZ1 IGR Concentrate keeps working on listed cockroaches for 6 months
- Continuous protection against stored product pests for 3 months
- Reduces egg production in House Flies and prevents development of larvae (maggots) into adults
- Labeled for use in food areas of food handling establishments

KEEP OUT OF REACH OF CHILDREN

**CAUTION**  
**FIRST AID**

<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate – 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 information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.	

**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.** See insert label for complete Directions for Use.

MANUFACTURED BY



8810 Tenth Avenue North, Minneapolis, MN 55427

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dry formulations above.

**PESTICIDE DISPOSAL:** To avoid wastes, use all materials in the containers by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state local governments or by industry).

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.



**IGR CONCENTRATE**

**CAUTION**  
**KEEP OUT OF REACH OF CHILDREN**  
See side panel for precautionary statements

**ACTIVE INGREDIENT**

2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine.....	1.30%
*OTHER INGREDIENTS.....	98.70%
<i>*Contains petroleum distillates</i>	
	100.00%

**NET CONTENTS 8 x 1 oz.**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**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 wash waters. Observe the most restrictive of labeling limitations and precautions of all products used in mixtures.

**PHYSICAL OR CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to possibility of shock hazard.

EPA Reg. No. 1021-1620 EPA Est. No. 1021-MN-2<sup>A</sup>, 63416-MN-1<sup>B</sup>  
Superscript is the first character of the lot number.

NyGuard and MGK are registered trademarks of McLaughlin Gormley King Company.

C2607-001 REV 0511-0812

INSERT

## NyGuard® EZ1 IGR Concentrate

**Emulsifiable concentrate with Insect Growth Regulator for control of Fleas, Stored Product Pests, listed Roaches, Crickets, Litter Beetles and Flying Insects**

**For use in the home and in food and non-food areas of restaurants, food processing plants, food and non-food warehouses, grocery stores and supermarkets, schools, office buildings, apartments, hotels and motels, hospitals, tobacco plants and warehouses, manufacturing plants, commercial and industrial buildings, transportation equipment (automobiles, boxcars, buses, boats, trucks, railcars, ship cargo holds), and outside on lawns and building perimeters**

- Inhibits reinfestation by fleas for up to 7 months
- NyGuard® EZ1 IGR Concentrate keeps working on listed cockroaches for 6 months
- Continuous protection against stored product pests for 3 months
- Reduces egg production in House Flies and prevents development of larvae (maggots) into adults
- Labeled for use in food areas of food handling establishments

### ACTIVE INGREDIENT:

2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine	1.30%
* OTHER INGREDIENTS	98.70%
	100.00%

\*Contains petroleum distillates

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

#### IF SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give **any** liquid to the person.
- Do not give anything by mouth to an unconscious person.

#### 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:** Contains petroleum distillate – 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 information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**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 wash waters. Observe the most restrictive of labeling limitations and precautions of all products used in mixtures.

**PHYSICAL OR CHEMICAL HAZARDS:** Combustible. Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to possibility of shock hazard.

### For use in areas such as:

Animal Quarters (enclosed premise treatment)	Commercial Buildings	Garages	Mortuaries	Schools
Apartments	Condominiums	Garbage Areas	Motels	Ships
Atriums	Convenience Stores	Garbage Cans	Nursing Homes	Shutters
Attics	Crawl Spaces	Gas Stations	Office Buildings	Side Yards
Automobiles	Crematoriums	Gazebos	Other Public Buildings	Solariums
Bakeries	Dairies	Grain Storage Facilities	Outdoor Eating Establishments	Sports Stadiums
Basements	Day Care Centers	Grocery Stores	Pantries	Storage Areas
Bathrooms	Decks	Homes	Pantries	Sun Porches
Bedrooms	Delicatessens	Hospitals	Parks	Sun Rooms
Boats	Dens	Hotels	Patios	Supermarkets
Breweries	Dog Houses	Indoor Eating Establishments	Pet Bedding	Taverns
Buses	Dog Kennel Runs	Industrial Plants	Pet Carriers	Theaters
Cabinets	Dog Living [Sleeping] Quarters	Institutional Dining Areas	Pet Grooming Parlors	Tobacco Plants and Warehouses
Cabins	Dormitories	Institutions	Pet Quarters (enclosed premise treatment)	Town Houses
Cafeterias	Draperies	Jails	Pet Sleeping Areas	Trailers
Campers	Dressers	Kennels	Pet Stores	Trains
Campsites	Drive-ins	Kitchens	Play Houses	Transportation Vehicles
Candy Plants	Drugstores	Lanais	Play Rooms	Tree Houses
Canneries	Fabric Storage Areas	Lawns	Porches	Upholstered Furniture
Carpets	Factories	Living Rooms	Prisons	Utility Room Indoor
Cat Living [Sleeping] Quarters (enclosed premise treatment)	Floors	Locker Rooms	Recreation Vehicles	Utility Room Outdoor
Cereal Processing Facilities	Flour Mills	Mass Merchandising Stores	Recreational Areas Indoors	Vending Machines
Chests	Food and Non-food Warehouses	Mausoleums	Recreational Areas Outdoors	Verandas
Closed Porches	Food Processing Plants	Mess Halls	Restaurants	Veterinary Clinics and Hospitals
Closets	Funeral Parlors	Mobile Canteens	Rooms	Warehouses
Clothes Storage	Furniture	Mobile Homes	Rugs	Washrooms
		Morgues	Zoos	

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**NOTE:** When used in hospital rooms, convalescent hospital rooms, and nursing home rooms, patients should be removed prior to treatment. Ventilate treated rooms thoroughly for two (2) hours after treatment. Do not return patients to treated room until after ventilation.

### READ ALL DIRECTIONS COMPLETELY BEFORE USE

Follow directions for specific use areas. Do not wet carpet, draperies and furniture excessively. Always test in an inconspicuous area prior to use as some natural and synthetic fibers may be adversely affected by any liquid product.

### FOR FLEA CONTROL:

Flea eggs deposited on treated areas will not develop into adult fleas. Flea larvae crawling onto treated surfaces will also not develop into adult fleas. NyGuard® EZ1 IGR Concentrate eliminates the flea population when used as directed. NyGuard® EZ1 IGR Concentrate causes a gradual reduction and ultimate elimination of the flea population by breaking the reproductive cycle. NyGuard® EZ1 IGR Concentrate stops the flea life cycle and inhibits the development of the immature stages of the flea eggs and larvae for 7 months preventing them from reaching the biting adult stage. Existing adult fleas and flea pupae are not affected.

If a high population of adult fleas is present, the use of an adulticide may be necessary for immediate control. NyGuard® EZ1 IGR Concentrate may also be combined with a flea adulticide. NyGuard® EZ1 IGR Concentrate complements the rapid activity of the adulticide by providing long term control of preadult fleas eggs and larvae before they mature and become biting adults.

Flea control on pets is important in the prevention of the introduction of adult fleas. Pets, their bedding and the areas they frequent should also be treated with EPA registered flea and tick control products, such as flea or flea and tick collar, pet powder, pet spray, pet dip, pet shampoo, flea shampoo or flea and tick shampoo, as part of a complete flea control program in conjunction with this application to minimize the introduction of adult fleas.

NyGuard® EZ1 IGR Concentrate can be used 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 prevent the emergence of adult fleas and also control immature stages of fleas. This early usage could reduce the need for conventional insecticides when used alone as directed. Pretreatment of these areas before the fleas become biting and reproductive adults will aid in reducing developing populations.

Flea control	Treatment	Spray solution preparation	Coverage per unit area	Comments
Indoor Flea control	General surface application (including broadcast, spot and crack & crevice)	1 fl. oz. NyGuard® EZ1 IGR Concentrate per gallon (7.8 mL) of water	1 fl. oz. NyGuard® EZ1 IGR Concentrate diluted per gallon (7.8 mL) per 1,500 sq. ft. (139 m <sup>2</sup> )	Use in conjunction with an adulticide to provide immediate control of adult fleas and flea pupae.
	In conjunction with carpet shampoo	1 fl. oz. NyGuard® EZ1 IGR Concentrate per gallon (7.8 mL) of shampoo dilution	1 fl. oz. NyGuard® EZ1 IGR (29.6 ml) Concentrate per volume of diluted shampoo to treat 1,500 sq. ft. (139 m <sup>2</sup> )	
In kennels and doghouses	General surface application (including broadcast, spot and crack & crevice)	1 fl. oz. NyGuard® EZ1 IGR Concentrate per gallon (7.8 mL) of water	1 fl. oz. NyGuard® EZ1 IGR (29.6 ml) Concentrate diluted per gallon per 1,500 sq. ft. (139 m <sup>2</sup> )	Treat animals with an EPA registered flea control product.
Outdoor Flea control	General surface application (including broadcast, spot and crack & crevice)	1 fl. oz. NyGuard® EZ1 IGR (29.6 ml) Concentrate in a sufficient volume of water to achieve thorough coverage	1 fl. oz. NyGuard® EZ1 IGR (29.6 ml) Concentrate diluted in sufficient volume of water per 1,000 sq. ft. (93 m <sup>2</sup> )	Reapply exterior applications every 21 days.

### INDOOR FLEA CONTROL:

Prior to treatment, carpets, draperies and upholstered furniture should be vacuumed thoroughly and the vacuum cleaner bag disposed of in an outdoor trash receptacle. Remove pets from area to be treated. After treatment, do not allow children and pets into treated areas until spray has dried.

**INSTRUCTIONS FOR USE:** NyGuard® EZ1 IGR Concentrate is mixed with water and applied with spray equipment such as any low pressure sprayer typically used for indoor applications.

**SPRAY PREPARATION:** Prepare a diluted spray solution by adding 1 fluid ounce of NyGuard® EZ1 IGR Concentrate per gallon (7.8 mL) of water. Partially fill the mixing container with water, add NyGuard® EZ1 IGR Concentrate, agitate and fill to final volume. Mix before each use.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** NyGuard® EZ1 IGR Concentrate can be mixed with other pesticides registered for adult control of fleas in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. The combination would provide immediate control of adult fleas and inhibit the development of the immature stages of the flea eggs and larvae for 7 months. Use NyGuard® EZ1 IGR Concentrate at application rates specified above.

**GENERAL SURFACE APPLICATION:** Apply NyGuard® EZ1 IGR Concentrate diluted spray at the rate of 1 gallon per 1,500 square feet (27 ml/m<sup>2</sup>) of surface area. Treat all areas that may harbor fleas, such as carpets, furniture, pet sleeping areas and throw rugs. Treat under cushions of upholstered furniture. Do not allow children or pets to contact treated surfaces until spray has dried.

**IN CONJUNCTION WITH CARPET SHAMPOO:** NyGuard® EZ1 IGR Concentrate may be combined with a liquid, non-heat extracting carpet shampoo application. Following dilution instructions on carpet shampoo, add 1 fluid ounce of NyGuard® EZ1 IGR Concentrate per gallon (7.8 mL) of diluted shampoo to be applied to carpet. Mix well and shampoo carpet as per instructions on the shampoo product label using approximately one gallon of diluted shampoo to treat 1,500 sq. ft. (27 ml/m<sup>2</sup>). Allow carpet to completely dry and vacuum thoroughly.

**IN KENNELS AND DOGHOUSES:** Treatment of these areas will stop the development of preadult fleas from becoming biting and reproductive adult fleas. Using an adjustable hose-end sprayer, tank type sprayer or sprinkling can, prepare a diluted spray solution by adding 1 fluid ounce per gallon (7.8 mL) of water. Partially fill the sprayer with water, add required amount of concentrate in sprayer, agitate and fill to final volume. Agitate before each spray.

Apply at a rate of 1 gallon diluted solution per 1,500 square feet (27 ml/m<sup>2</sup>) of surface area. Apply to resting areas, walls, floor, animal bedding and run areas. Remove animals before spraying and do not return animals to treated areas until spray has dried completely. Pets and their bedding should also be treated with EPA registered flea and tick control products, flea or flea and tick collar, pet powder, pet spray, pet dip, pet shampoo, flea shampoo or flea and tick pet shampoo, in conjunction with this application as part of a complete flea control program to prevent the introduction of adult fleas.

### OUTDOOR FLEA CONTROL:

Apply NyGuard® EZ1 IGR Concentrate dilution, to areas where pets normally frequent such as under trees, ornamental plants and shrubs. NyGuard® EZ1 IGR Concentrate acts on the immature life stages of the flea, preventing the development of adult fleas. Flea eggs deposited on treated areas will not develop into adult fleas. Flea larvae crawling onto treated surfaces will also not develop into adult fleas. NyGuard® EZ1 IGR Concentrate eliminates the flea population when used as directed. NyGuard® EZ1 IGR Concentrate controls the flea population by inhibiting reproduction. NyGuard® EZ1 IGR Concentrate causes a gradual reduction and ultimately eliminates the flea population by breaking the reproductive cycle. This concentrate does not affect existing adult fleas and flea pupae. Application on soil surfaces will provide 21 days of IGR activity. Treat lawn area with an EPA registered lawn treatment product to kill adult fleas if a large population exists.

**SPRAY PREPARATION:** Using a hose-end sprayer, tank type sprayer or sprinkling can, prepare a diluted spray solution by adding 1 fluid ounce of NyGuard® EZ1 IGR Concentrate (29.6 ml) in a sufficient volume of water to achieve thorough coverage of 1,000 square feet (93 m<sup>2</sup>). Partially filling the sprayer with water, add NyGuard® EZ1 IGR Concentrate, agitate and fill with water to the final volume. Agitate before each spray.

Spray using a slow, even sweeping motion, being sure to cover surface areas where pets normally frequent. Avoid soaking young or flowering plants. One (1) tsp. per gallon (4 mL) will cover 166 square feet (15.4 m<sup>2</sup>) for treating pet resting areas. Do not apply under windy conditions Do not apply this product in or around bodies of water. Repeat application in 21 days.

Remove animals before spraying and do not allow animals or children to return to treated areas until spray has dried completely. Pets and their bedding should also be treated with EPA registered flea and tick control products, such as flea or flea and tick collar, pet dust, pet spray, pet dip, pet shampoo, flea shampoo or flea and tick pet shampoo, in conjunction with this application as a part of a complete flea control program to prevent the introduction of adult fleas.

### FOR GERMAN, ASIAN, AND BROWN BANDED COCKROACH AND CRICKET CONTROL:

The active ingredient in NyGuard® EZ1 IGR Concentrate is an insect growth regulator. NyGuard® EZ1 IGR Concentrate acts on the immature life stages of the cockroach and cricket, preventing nymphal cockroaches and crickets from developing into reproductive adults. Shortly after application of this concentrate cockroaches with twisted wings will begin to appear, indicating that NyGuard® EZ1 IGR Concentrate has taken effect — those cockroaches with twisted wings are unable to reproduce. NyGuard® EZ1 IGR Concentrate eliminates the cockroach and cricket population when used as directed. One treatment works for 6 months against hatching cockroach, nymphs and crickets.

If high populations of adult cockroaches are present, the use of an adulticide may be necessary for immediate control. NyGuard® EZ1 IGR Concentrate causes a gradual reduction in the cockroach population by breaking the life cycle of the cockroach and preventing the cockroaches from breeding. This concentrate may also be combined with a cockroach adulticide. NyGuard® EZ1 IGR Concentrate complements the rapid activity of the adulticide by providing long term control of cockroach nymphs before they become reproductive adults.

Cockroach and Cricket control	Treatment	Spray solution preparation	Coverage per unit area	Comments
Indoor	General surface application (including broadcast, spot and crack & crevice)	2 fl. oz. NyGuard® E21 IGR Concentrate per gallon (15.6 mL) of water	2 fl. oz. NyGuard® E21 IGR Concentrate diluted per gallon (15.6 mL) of water per 1,000 sq. ft. (93 m <sup>2</sup> ) or 1,000 linear feet (305 m) for crack & crevice	Use in conjunction with an adulticide to provide immediate control of adult insects.
Outdoor	Perimeter crack and crevice	2 fl. oz. NyGuard® E21 IGR Concentrate per gallon (15.6 mL) of water	2 fl. oz. NyGuard® E21 IGR Concentrate diluted per gallon (15.6 mL) of water per 1,000 linear feet (305 m)	

#### FOR INDOOR COCKROACH AND CRICKET CONTROL:

**INSTRUCTIONS FOR USE:** NyGuard® E21 IGR Concentrate is mixed with water and applied with spray equipment such as a low pressure sprayer typically used for indoor applications.

**SPRAY PREPARATION:** Prepare a diluted spray solution by adding 2 fluid ounces of NyGuard® E21 IGR Concentrate per gallon (15.6 mL) of water. Partially fill the mixing container with water, add NyGuard® E21 IGR Concentrate, agitate and fill to the final volume. Agitate before each spray.

**DILUTION FOR FOGGING APPLICATION:** To prepare the fogging solution, mix 1 fl. oz. (29.6 ml) of this concentrate with 1 fl. oz. (29.6 ml) of petroleum distillate or 1 fl. oz. (29.6 ml) of water and agitate to assure a uniform mixture. The resulting 2 fl. oz. (59.2 ml) of solution will then be used to fog 1,900 cubic feet (53.8 m<sup>3</sup>) of space.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** NyGuard® E21 IGR Concentrate can be mixed with other pesticides registered for adult control of cockroaches in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. The combination would provide immediate control of adult cockroaches and inhibit the development of the immature stages of the cockroach nymphs for 6 months. Use NyGuard® E21 IGR Concentrate at application rates specified above.

**GENERAL SURFACE APPLICATIONS – COCKROACHES Brown Banded Cockroach, Asian Cockroach, German Cockroach, and Cricket:** Apply diluted spray at the rate of 1 gallon per 1,000 square feet (40 ml/m<sup>2</sup>) of surface area as a spot treatment, surface application and crack and crevice spray. Contact as many insects as possible with this spray in addition to thorough spraying of all parts of the room suspected of harboring these pests. 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, infested furniture and the inside of cabinets and closets hitting insects with spray whenever possible.

**FOR OUTDOOR PERIMETER TREATMENTS FOR COCKROACHES AND CRICKETS:** Prepare a diluted spray solution by adding 2 fluid ounces of NyGuard® E21 IGR Concentrate per gallon (15.6 mL) of water into any low-pressure pump sprayer. At the rate of 1 gallon per 1,000 feet (12.m/m), apply in a band 2-4 feet (0.4 - 0.8 m) adjacent to and around the structure and apply to a height of 2-3 feet (0.6 - 0.9 m) on the foundation where pests may be active or may find entrance. Apply as a surface spray around window frames, doors, garage doors, patios, decks, carports, and shutters, around garbage areas, sill plates and other areas where cockroaches may congregate. Do not apply as a space spray. Do not apply under windy conditions. Do not apply this product in or around bodies of water.

**FOR CONTROL OF 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 and Dermestid Beetles):**

**FOOD AND NON-FOOD WAREHOUSES:** NyGuard® E21 IGR Concentrate may be applied as a general surface, fogger, spot or crack and crevice treatment in food and nonfood storage warehouses. Apply to all areas that may harbor pests, including under and between pallets. Repeat application in 90 days.

**TREATMENTS IN FOOD HANDLING ESTABLISHMENTS** (Places other than private residences in which food is held, processed, prepared or served): Application is limited to space, general surface, spot, and/or crack and crevice treatment in food handling establishments where food and food products are held, prepared, processed and served. 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. Spot, and/or crack and crevice treatments may be used while the facility is in operation provided exposed food is covered or removed from the area being treated prior to application. Food contact surfaces must be thoroughly washed with an effective cleaning compound and rinsed with potable water after use of the product.

**NON-FOOD AREAS:** NyGuard® E21 IGR Concentrate may be used to treat nonfood areas. Nonfood areas include areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling).

**FOOD AREAS:** NyGuard® E21 IGR Concentrate can be used to treat food areas. May be used in food areas of food handling establishments, restaurants, or other areas where foods are commercially prepared or served. May be used in serving areas only when facility is not in operation or food is not exposed. Serving areas are areas where prepared foods are served, such as dining rooms. In the home all food-processing surfaces and utensils must be covered during treatment or thoroughly washed before use. Food areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Repeat application in 90 days.

**SPRAY PREPARATION FOR SURFACE, SPOT, AND CRACK AND CREVICE APPLICATIONS:** Prepare a diluted spray solution by adding 1.5 fluid ounces of NyGuard® E21 IGR Concentrate per gallon (11.7 mL) of water. Partially fill the mixing container with water, add NyGuard® E21 IGR Concentrate, agitate and fill to final volume. Agitate before each spray application.

**TANK MIXING:** NyGuard® E21 IGR Concentrate can be mixed with other pesticides in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

Stored product pests	Treatment	Spray solution preparation	Coverage per unit area	Comments
Food and non-food areas	General surface application (including broadcast, spot and crack & crevice)	1.5 fl. oz. NyGuard® E21 IGR Concentrate per gallon (11.7 mL) of water	1.5 fl. oz. NyGuard® E21 IGR Concentrate diluted per gallon (11.7 mL) of water per 1,500 sq. ft. (139 m <sup>2</sup> ) or 1,000 linear feet (305 m) for crack & crevice	Use in conjunction with an adulticide to provide immediate control of adult insects.
Food and non-food areas	Fogging/ULV	1.5 fl. oz. (44.3 ml) diluted in appropriate carrier	1.5 fl. oz. (44.3 ml) NyGuard® E21 IGR Concentrate diluted in appropriate carrier per 12,000 cu. ft. (340 m <sup>3</sup> )	

**GENERAL SURFACE APPLICATIONS:** Apply diluted spray at a rate of 1 gallon per 1,500 square feet (27 ml/m<sup>2</sup>). For treatment of food processing and food handling establishments, apply with a sprayer that will give coarse, wet droplets. Spray surfaces, into 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, under shelves and racks, around pipes and openings in floors and walls, along baseboards, in wall voids, and other areas where insects seek harborage. Contact as many insects as possible. Repeat application in 90 days.

**SPOT AND CRACK AND CREVICE APPLICATIONS:** Apply NyGuard® E21 IGR Concentrate diluted spray solution using a pressurized spray system capable of delivering a pinpoint or variable spray pattern. Crack and crevice applications may be made directly to areas such as crevices, baseboards, floors, ceilings, walls, expansion joints, molding, areas around water and sewer pipes, voids where pests can hide and similar areas. Spot treatments may also be made to areas including storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, shelves, drawers and similar areas.

**FOGGING APPLICATIONS:** NyGuard® E21 IGR Concentrate may be applied as a fog or an ultra-low volume (ULV) application with equipment such as ULV equipment, mechanical misting sprayers, aerosol generators, or thermal foggers. To prepare the fogging solution, follow the equipment manufacturer's solution preparation instructions. For fogging applications, NyGuard® E21 IGR Concentrate may be diluted with water or petroleum distillate. Apply at a rate of 1.5 fluid ounces of NyGuard® E21 IGR Concentrate diluted in appropriate carrier per 12,000 cubic feet (0.13 ml/m<sup>3</sup>). Fogging applications are recommended for larger facilities including food and non-food warehouses. Close area to be treated and shut off all 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 equipment manufacturer or the labels of other products applied in tank mixing. Do not remain in treated area. Ventilate thoroughly before reentry.

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

NyGuard® E21 IGR Concentrate can be applied to litter, such as in poultry houses infested with Litter Beetles, to break the lifecycle of these insect pests. Make uniform application of NyGuard® E21 IGR Concentrate to litter at the rate of 1 fluid ounce of NyGuard® E21 IGR Concentrate per 1,000 square feet (0.32 ml/m<sup>2</sup>) space in sufficient volume of water to achieve thorough coverage. For effective prevention of beetle larvae in litter, remove animals from immediate treatment area and old litter. Surface treat immediately after animals are removed and again just prior to new animal placement is most effective. Adult egg-laying beetles can be killed with fast-acting adulticides. Application of adulticides 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. Cover or remove exposed food, feed, water and watering equipment.

Apply NyGuard® E21 IGR Concentrate uniformly at the rate of 1 fluid ounce of NyGuard® E21 IGR Concentrate per 1,000 square feet (0.32 ml/m<sup>2</sup>) 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 sanitation procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply NyGuard® E21 IGR Concentrate or adulticide insecticides, or both, in a uniform band at least 1 foot (0.3 m) up and 1-4 feet (0.3 - 1.2 m) out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

Litter Beetle control	Treatment	Spray solution preparation	Coverage per unit area	Comments
In poultry houses	General surface application (including broadcast, spot and crack & crevice)	1 fl. oz. (29.6 ml) NyGuard® E21 IGR Concentrate in sufficient volume of water to achieve thorough coverage	1 fl. oz. (29.6 ml) NyGuard® E21 IGR Concentrate diluted in sufficient volume of water to achieve thorough coverage per 1,000 sq. ft. (93 m <sup>2</sup> ) or 1,000 linear feet (305 m) for crack & crevice	Use in conjunction with an adulticide to provide immediate control of adult Litter Beetles.  Do not apply to interior areas where animals are present.

#### FOR CONTROL OF ANTS:

Apply NyGuard® E21 IGR Concentrate at the rate of 2 fluid ounces diluted in one gallon of water per 1,000 square feet (93 m<sup>2</sup>) to interior areas where Ants are actively foraging and in a band 6-10 (1.8 - 3.0 m) feet wide adjacent to the exterior foundation wall of the building. NyGuard® E21 IGR Concentrate may be used alone, with alternating treatments of an adulticide insecticide, or in a tank mix combination with an adulticide insecticide.

- If needed, repeat treatments with NyGuard® E21 IGR Concentrate may be made 14 days after previous treatment or if heavy rainfall occurs repeat application.

Ant control	Treatment	Spray solution preparation	Coverage per unit area	Comments
Interior and exterior applications	General surface application (including broadcast, spot and crack & crevice)	2 fl. oz. NyGuard® E21 IGR Concentrate per gallon (15.6 mL) of water, thoroughly wet surface being treated	2 fl. oz. NyGuard® E21 IGR Concentrate diluted per gallon (15.6 mL) of water per 1,000 sq. ft. (93 m <sup>2</sup> ) or 1,000 linear feet (305 m) for crack & crevice	Use in conjunction with an adulticide to provide immediate control of adult ants.

#### FOR CONTROL OF FLYING INSECT PESTS (such as Flies, Moths, Midges, Mosquitoes and Gnats):

**GENERAL SURFACE TREATMENTS:** For control of House Flies, Stable Flies, Moths, Mosquitoes, Nuisance Flies (gnats, midges) and other similar flying pest insects such as those classified as Dipterous or Hymenopterous. NyGuard® E21 IGR Concentrate effects both adult and juvenile stages. In House Flies, NyGuard® E21 IGR Concentrate causes a decrease in the number and hatching of eggs laid by treated adults. Fly larvae (maggots) show physiological and functional defects leading to the inability to develop into normal adults. When used alone, NyGuard® E21 IGR Concentrate insect growth regulator will result in a reduction in adult fly populations after 3-4 weeks when previously hatched adult flies have died naturally.

NyGuard® E21 IGR Concentrate may be used for control of flying insect pests in those areas in, on and around residential, commercial, public, industrial and agricultural buildings. For the purposes of controlling general and occasional insect pests, NyGuard® E21 IGR Concentrate may be used to control nuisance flies, gnats, midges, and mosquitoes by application into moist breeding areas (potted plants, moist debris or litter) or into areas holding standing water such as gutters, drains, pools and fountains.

- Do not apply directly to any natural bodies of water such as ponds, lakes, streams, rivers, marshes, potholes, and estuaries.
- If needed, repeat treatments with NyGuard® E21 IGR Concentrate may be made 14 days after previous treatment or if heavy rainfall occurs repeat application.

**TREATMENTS IN COMBINATION WITH AN ADULTICIDE:** For knockdown and more rapid control of adult flying insect pests or to control an influx of flies from untreated areas, use NyGuard® E21 IGR Concentrate in alternation or in a tank mix combination with an adulticide insecticide. The combination would provide for immediate control of adult flying insects such as flies on resting surfaces such as walls and overhead areas while preventing immature insect stages from developing into adults.

**TANK MIXING:** NyGuard® E21 IGR Concentrate can be mixed with other pesticides in accordance with the most restrictive of label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Prepare the tank mix using the recommended label rate of adulticide and NyGuard® E21 IGR Concentrate by adding the adulticide first and making sure it is well mixed and in suspension and then adding the correct amount of NyGuard® E21 IGR Concentrate according to the label instructions below.

Flying insect control	Treatment	Spray solution preparation	Coverage per unit area	Comments
Indoor and outdoor	General surface application (including broadcast, spot and crack & crevice)	1 fl. oz. (29.6 ml) NyGuard® E21 IGR Concentrate in sufficient volume of water to thoroughly wet the surface being treated	1 fl. oz. (29.6 ml) NyGuard® E21 IGR Concentrate diluted in sufficient volume of water to thoroughly wet surface per 1,500 sq. ft. (139 m <sup>2</sup> ) or 1,000 linear feet (305 m) for crack & crevice	Use in conjunction with an adulticide to provide immediate control of adult insects.
	Fogger/ULV treatment	1.5 fl. oz. (44.3 ml) NyGuard® E21 IGR Concentrate diluted in carrier	1.5 fl. oz. (44.3 ml) NyGuard® E21 IGR Concentrate diluted in carrier per 12,000 cu. ft. (340 m <sup>3</sup> )	

**TREATMENTS IN, ON AND AROUND LIVESTOCK AND POULTRY HOUSING AND PET KENNELS:** NyGuard® E21 IGR Concentrate may be used by pest control operators or livestock producers in livestock housing structures (including poultry houses) and pet kennels to control flying insect pests. Remove pets from kennels before treatment. Apply as a general surface, fogger/ULV or a crack and crevice application to areas where flying pests collect or breed.

For surface applications, thoroughly wet floors, walls, ceilings, and doors, around windows, garbage and refuse areas. When used as directed, control will be enhanced when facilities are cleaned and interior applications are supplemented with exterior perimeter treatments.

- Treat birdcages or stock pens only after removal of animals.
- Do not make interior applications of NyGuard® E21 IGR Concentrate in areas of facility where animals are present.
- Allow treated areas to dry before allowing animals back in treated areas of facility.
- Cover or remove exposed food, feed, water and watering equipment.

**TREATMENTS TO INTERIOR AREAS AND SURFACES:** Use 1 fluid ounce of NyGuard® E21 IGR Concentrate per gallon (7.8 mL) of water and apply to 1,500 square feet (139 m<sup>2</sup>) of surface area or in sufficient volume to achieve adequate coverage. Treat all areas where flying insects may collect, rest or breed, including vertical walls, ceilings, pipes, conduits, stalls, stanchions, floors, and walkways. When NyGuard® E21 IGR Concentrate is used alone, treatments can be extended to animal bedding, manure, and other potential areas where flying insects may breed.

**TREATMENTS TO PERIMETER AREAS AND SURFACES:** Use 1 fluid ounce of NyGuard® E21 IGR Concentrate per gallon (7.8 mL) of water and apply to outside surfaces of buildings, porches, patios, garages and other areas where these pests have been seen or found. For perimeter control, make a general surface application of 1 fluid ounce (29.6 ml) of product diluted in water to cover 1,500 square feet (139 m<sup>2</sup>) or in sufficient volume to achieve adequate coverage. To help prevent infestations of buildings by flying insects, treat soil, vegetation or other substrates in a band 6-10 feet (1.8 m - 3.0 m) wide adjacent to the building foundations, walls, around doors and windows, and overhead areas where these pests are active and may find entrance or harborage.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dry formulations above.

**PESTICIDE DISPOSAL:** To avoid wastes, use all materials in the containers by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

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Superscript is the first character of the lot number.

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