

# surge™

containing

# NYLAR® IGR

ACTIVE INGREDIENT: 2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine..... 1.30%  
 \*OTHER INGREDIENTS..... 98.70%  
 100.00%

\*Contains petroleum distillates

Surge™ - Trademark of McLaughlin Gormley King Company  
 NYLAR® - Registered Trademark of McLaughlin Gormley King Company

### NET CONTENTS 1 pint

EPA Reg. No. 1021-1620-57076 EPA Est. No. 1021-MN-2  
 Rev: 0209-0310 F2607-012

Manufactured for: PARAGON PROFESSIONAL PEST CONTROL PRODUCTS  
 3635 Knight Road, #7 • Memphis, TN 38118

### KEEP OUT OF REACH OF CHILDREN

## CAUTION

### FIRST AID

<b>IF SWALLOWED:</b> • 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 <b>any</b> liquid to the person. • Do not give anything by mouth to an unconscious person.	<b>IF IN EYES:</b> • 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	<b>IF ON SKIN OR CLOTHING:</b> • 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
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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 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), Apartments, Atriums, Attics, Automobiles, Bakeries, Bathrooms, Basements, Bedrooms, Boats, Breweries, Buses, Cabinets, Cabins, Cafeterias, Campers, Camp Sites, Candy Plants, Cameriers, carpets, Cat living Quarters (enclosed premise treatment), Cereal Processing Facilities, Chests, Closed Porches, Closets, Clothes Storage, Commercial Buildings, Condominiums, Convenience Stores, Crawl Spaces, Creamatories, Dairies, Day Care Centers, Decks, Delicatessens, Dens, Dog Houses, Dog Living Quarters, Dog Kennel Runs, Dormitories' Draperies, Dressers, Drive-Ins, Drugstores, Fabric Storage Areas, Factories, Floors, Flour Mills, Food Processing Plants, Food and Non-Food Warehouses, Funeral Parlors, Furniture, Garages, Garbage Areas, Garbage Cans, Gas Stations, Gazebos, Grain Storage Facilities, Grocery Stores, Homes, Hospitals, Hotels, Indoor Eating Establishments, Industrial Plants, Institutional Dining Areas, Institutions, Jails, Kennels, Kitchens, Lanais, Lawns, Living Rooms, Locker Rooms, Mass Merchandising Stores, Mausoleums, Mess Halls, Mobile Canteens, Mobile Homes, Morgues, Mortuaries, Motels, Nursing Homes, Office Buildings, Other Public Buildings, Outdoor Eating Establishments, Pantries, Parks, Patios, Pet Bedding, Pet Carriers, Pet Grooming Parlors, Pet Sleeping Areas, Pet Stores, Pet Quarters (enclosed premise treatment), Play Houses, Play Rooms, Porches, Prisons, Recreational Areas Indoors, Recreational Areas Outdoors, Recreation Vehicles, Restaurants, Rooms, Rugs, Schools, Ships, Shelters, Side Yards, Solariums, Sports Stadiums, Storage Areas, Sun Rooms, Sun Porches, Supermarkets, Taverns, Theaters, Tobacco Plants and Warehouses, Town Houses, Trailers, Trains, Transportation Vehicles, Tree Houses, Upholstered Furniture, Utility Room Indoor, Utility Room Outdoor, Vending Machines, Verandas, Veterinary Clinics and Hospitals, Warehouses, Washrooms and 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 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 not develop into adult fleas. Surge™ containing NYLAR® IGR eliminates the flea population when used as directed. Surge™ containing NYLAR® IGR causes a gradual reduction and ultimate elimination of the flea population by breaking the reproductive cycle. Surge™ containing NYLAR® IGR stops the flea life cycle and inhibits the development of the immature stages of the flea 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 relief. This concentrate may also be combined with a flea adulticide. Surge™ containing NYLAR® IGR compliments the rapid activity of the adulticide by providing long term control of preadult fleas 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, 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.

Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (7.8 mL/L) of Water	1 fl oz Surge™ containing NYLAR® IGR diluted per gallon (7.8 mL/L) 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. • Treat animals with an EPA registered flea control product. • Reapply exterior applications every 21 days.
	In conjunction with carpet shampoo	1 fl oz Surge™ containing NYLAR® IGR per gallon (7.8 mL/L) of shampoo dilution	1 fl oz Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (7.8 mL/L) of Water	1 fl oz Surge™ containing NYLAR® IGR diluted per gallon (7.8 mL/L) per 1,500 sq ft (139 m <sup>2</sup> )	
Outdoor Flea Control	General Surface Application (including Broadcast, Spot and Crack & Crevice)	1 fl oz Surge™ containing NYLAR® IGR (29.6 ml) in a sufficient volume of water to achieve thorough coverage	1 fl oz Surge™ containing NYLAR® IGR (29.6 ml) in a sufficient volume of water to achieve thorough coverage per 1,000 sq ft (93 m <sup>2</sup> )	

### 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:** Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (7.8 mL) of water. Partially fill the mixing container with water, add Surge™ containing NYLAR® IGR, agitate and fill to final volume. Mix before each use.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** Surge™ containing NYLAR® IGR 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 relief of adult fleas and inhibit the development of the immature stages of the flea for 7 months. Use Surge™ containing NYLAR® IGR at application rates specified above.

**GENERAL SURFACE APPLICATION:** Apply Surge™ containing NYLAR® IGR 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, including 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:** Surge™ containing NYLAR® IGR may be combined with a liquid, non-heat extracting carpet shampoo application. Following dilution instructions on carpet shampoo, add 1 fluid ounce of Surge™ containing NYLAR® IGR per gallon (7.8 mL/L) 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. (139 m<sup>2</sup>) Allow carpet to completely dry and vacuum thoroughly.

**IN KENNELS AND DOGHOUSES:** Treatment of these areas will control 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/L) 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 Surge™ containing NYLAR® IGR dilution, to areas where pets normally frequent such as under trees, ornamental plants and shrubs. Surge™ containing NYLAR® IGR 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. Surge™ containing NYLAR® IGR eliminates the flea population when used as directed. Surge™ containing NYLAR® IGR controls the flea population by inhibiting reproduction. Surge™ containing NYLAR® IGR 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.

**SPRAY PREPARATION:** Using a hose-end sprayer, tank type sprayer or sprinkling can, prepare a diluted spray solution by adding 1 fluid ounce (29.6 mL) of Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR, 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 (3.99 mL/L) will cover 166 square feet (15.4 m<sup>2</sup>) 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, 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 Surge™ containing NYLAR® IGR is an insect growth regulator. Surge™ containing NYLAR® IGR acts on the immature life stages of the cockroach and cricket, preventing nymphal cockroaches and crickets from developing into adults. Shortly after application of this concentrate cockroaches with twisted wings will begin to appear, indicating that Surge™ containing NYLAR® IGR has taken effect – those cockroaches with twisted wings are unable to reproduce. Surge™ containing NYLAR® IGR eliminates the cockroach and cricket population when used as directed. One treatment works for 6 months against hatching cockroaches and crickets.

If high populations of adult cockroaches are present, the use of an adulticide may be necessary for immediate relief. Surge™ containing NYLAR® IGR causes a gradual reduction in the cockroach population by interrupting the life cycle of the cockroach and preventing the cockroaches from breeding. This concentrate may also be combined with a cockroach adulticide. Surge™ containing NYLAR® IGR compliments the rapid activity of the adulticide by providing long term control of cockroach nymphs before they become breeding adults.

Cockroach and Cricket Control	Treatment	Spray Solution Preparation	Coverage per area unit	Comments
Indoor	General Surface Application (including Broadcast, Spot and Crack & Crevice)	2 fl oz Surge™ containing NYLAR® IGR per gallon (15.6 mL/L) of Water	2 fl oz Surge™ containing NYLAR® IGR diluted per gallon (15.6 mL/L) 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 Surge™ containing NYLAR® IGR per gallon (15.6 mL/L) of Water	2 fl oz Surge™ containing NYLAR® IGR diluted per gallon (15.6 mL/L) per 1,000 linear feet (305 m)	

### FOR INDOOR COCKROACH AND CRICKET CONTROL:

**INSTRUCTIONS FOR USE:** Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (15.6 mL/L) of water. Partially fill the mixing container with water, add Surge™ containing NYLAR® IGR, 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:** Surge™ containing NYLAR® IGR 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 relief of adult cockroaches and inhibit the development of the immature stages of the cockroach for 6 months. Use Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (15.6 ml/L) of water into any low-pressure sprayer. At the rate of 1 gallon per 1,000 feet (12 ml/m), apply in a band 2-4 feet (0.6 - 1.2 m) adjacent to and around the structure and apply 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, carpents, 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 Dermisted Beetles).

**FOOD AND NON-FOOD WAREHOUSES:** Surge™ containing NYLAR® IGR 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:** Surge™ containing NYLAR® IGR 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).

**AREAS:** Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (11.7 ml/L) of water. Partially fill the mixing container with water, add Surge™ containing NYLAR® IGR, agitate and fill to final volume. Agitate before each spray application.

**TANK MIXING:** Surge™ containing NYLAR® IGR 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 area unit	Comments
Food and Nonfood areas	General Surface Application (including Broadcast, Spot and Crack & Crevice)	1.5 fl oz Surge™ containing NYLAR® IGR per gallon (11.7 ml/L) of Water	1.5 fl oz Surge™ containing NYLAR® IGR diluted per gallon (11.7 ml/L) 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 Nonfood areas	Fogging / ULV	1.5 fl oz (44.3 ml) diluted in appropriate carrier	1.5 fl oz (44.3 ml) Surge™ containing NYLAR® IGR 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 load 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, miller and between pallets, areas at the base of machinery and equipment, under furniture, in mop and equipment closet, 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 Surge™ containing NYLAR® IGR 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:** Surge™ containing NYLAR® IGR may be applied as a fog or and 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, Surge™ containing NYLAR® IGR may be diluted with water or petroleum distillate. Apply at a rate of 1.5 fluid ounces (44.3 ml) of Surge™ containing NYLAR® IGR diluted in appropriate carrier per 12,000 cubic feet (340 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, Hid and Carrion Beetles):**

Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR to litter at the rate of 1 fluid ounce of Surge™ containing NYLAR® IGR 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 clean out, 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 Surge™ containing NYLAR® IGR uniformly at the rate of 1 fluid ounce of Surge™ containing NYLAR® IGR 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 sanitization procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply Surge™ containing NYLAR® IGR 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) Surge™ containing NYLAR® IGR in sufficient volume of water to achieve thorough coverage	1 fl oz (29.6 ml) Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR at title rate of 2 fluid ounces diluted in one gallon (15.6 ml) 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 feet (1.8-3.0 m) wide adjacent to the exterior foundation wall of the building. Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (15.6 ml) of water, thoroughly wet surface being treated	2 fl oz Surge™ containing NYLAR® IGR 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 & Gnats):**

**GENERAL SURFACE TREATMENTS:** For control of Houseflies, Stable Flies, Moths, Mosquitoes, Nuisance Flies (Gnats, Midges) and other similar flying pest insects such as those classified as Dipterous or Hymenopterous. Surge™ containing NYLAR® IGR effects both adult and juvenile stages. In Houseflies, Surge™ containing NYLAR® IGR 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, Surge™ containing NYLAR® IGR insect growth regulator will result in a reduction in adult fly populations after 3-4 weeks when previously hatched adult flies have died naturally.

Surge™ containing NYLAR® IGR 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, Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR 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:** Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR by adding the adulticide first and making sure it is well mixed and in suspension and then adding the correct amount of Surge™ containing NYLAR® IGR 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) Surge™ containing NYLAR® IGR in sufficient volume of water to thoroughly wet the surface being treated	1 fl oz (29.6 ml) Surge™ containing NYLAR® IGR 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) Surge™ containing NYLAR® IGR in diluted in carrier	1.5 fl oz (44.3 ml) Surge™ containing NYLAR® IGR 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:** Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (7.8 ml/L) 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 Surge™ containing NYLAR® IGR 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 Surge™ containing NYLAR® IGR per gallon (7.8 ml/L) 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 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse 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.