

1021-1620

PM-03

7-13-98

BoF4

**ACCEPTED**  
**JUL 13 1998**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 1021-1620

their growth or development  
 [Nylar®] [brand name] stops [prevents] the flea and certain listed cockroaches from developing into egg laying adults  
 [Nylar®] [brand name] can be used as part of an integrated pest management [IPM] program  
 [Nylar®] [brand name] can be a biorational approach to insect control  
 [Nylar®] [brand name] keeps working in areas exposed to the sun for up to 14 days

Inhibits reinfestation by fleas for up to [210 days] [30 weeks] [7 months]  
 If adult fleas are introduced from untreated areas, their offspring will not become biting [reproductive] adults  
 Kills preadult [larval] fleas, including eggs for [210 days] [30 weeks] [7 months]  
 Prevents larval fleas from developing into the biting adult stage  
 Prevents [stops] hatching fleas [preadult (larval) fleas] [eggs (hatching eggs) (larvae)] from becoming full grown [developing into] biting adults  
 One treatment works for [210 days] [30 weeks] [7 months] against hatching fleas [preadult (larval) fleas] [eggs (hatching eggs) (larvae)]  
 Prevents new [tomorrow's] fleas from growing up to bite  
 [Nylar®] [brand name] activity keeps working for [210 days] [30 weeks] [7 months]  
 Effective long term control  
 Controls [stops (kills) (prevents)] stages of fleas that don't resemble fleas  
 Prevents [stops] the emergence of adult fleas  
 Flea eggs deposited on treated areas will not develop into adult fleas  
 Larvae crawling onto treated areas will not develop into adult fleas  
 [Nylar®] [brand name] acts on the immature life stage of the flea, preventing it from developing into biting adults  
 Prior to the flea season, previously known infested areas can be pretreated to reduce the developing population

REC'D EPA/OPP/DPD1  
 97 JUL 28 P2:18

Effectively breaks certain listed cockroach life cycle  
 [Nylar®] [brand name] keeps working on listed cockroaches for 180 days [26 weeks] [6 months]  
 Works with nature to interrupt [break] the life cycle of listed cockroaches  
 Inhibits reinfestation by listed cockroaches for up to 180 days [26 weeks] [6 months]  
 Effectively controls [eliminates] listed cockroach populations by preventing reproduction [thereby eliminating future generations]  
 Prevents [stops] [inhibits] listed nymphal cockroaches from becoming adults [breeding adults] [reproductive adults] [egg laying adults]  
 One treatment stops listed cockroaches from generating reproductive offspring for [180 days] [26 weeks] [6 months]

<b>ACTIVE INGREDIENT:</b>	
2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine.....	1.30%
<b>INERT INGREDIENTS</b> .....	98.70%
	100.00%

NYLAR® - Registered trademark of McLaughlin Gormley King Co.

KEEP OUT OF REACH OF CHILDREN

## CAUTION

STATEMENT OF PRACTICAL TREATMENT

<b>IF IN EYES:</b>	Flush with plenty of water. Get medical attention if irritation persists.
<b>IF SWALLOWED:</b>	Call a physician or Poison Control Center immediately. Do not induce vomiting.
<b>IF ON SKIN OR CLOTHING:</b>	Remove contaminated clothing and wash before reuse. Wash skin with soap and warm water. Get medical attention if irritation persists.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if swallowed or absorbed through skin. Do not breathe vapors or spray mist. Avoid contact with skin or eyes. In case of contact, flush with plenty of water. Wash with soap and warm water after use. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

**For use in areas such as:**

Animal Quarters (enclosed premise treatment), Apartments, Atriums, Attics, Automobiles, Bathrooms, Basements, Bedrooms, Boats, Buses, Cabinets, Cabins, Cafeterias, Campers, Campsites, Carpet, Cat Living [Sleeping] Quarters (enclosed premise treatment), Chests, Closed Porches, Closets, Clothes Storage, Commercial Buildings, Condominiums, Crawl Spaces, Crematoriums, Day Care Centers, Decks, Delicatessens, Dens, Dog Houses, Dog Living [Sleeping] Quarters, Dog Kennel Runs, Dormitories, Draperies, Dressers, Drive-Ins, Drugstores, Fabric Storage Areas, Factories, Floors, Funeral Parlors, Furniture, Garages, Garbage Areas, Garbage Cans, Gazebos, Homes, Hospitals, Hotels, Indoor Eating Establishments, Industrial Plants, Institutional Dining Areas, Institutions, Jails, Kennels, Kitchens, Lanais, Lawns, Living Rooms, Locker Rooms, Mausoleums, Mess Halls, Mobile Canteens, Mobile Homes, Morgues, Mortuaries, Motels, Nursing Homes, Office Buildings, Other Public Buildings, Outdoor Eating Establishments, Pantry, 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, Shutters, Side Yards, Solariums, Sports Stadiums, Storage Areas, Sun Rooms, Sun Porches, Supermarkets, Taverns, Theaters, Town House, Trailers, Trains, Transportation Vehicles, Tree Houses, Upholstered Furniture, Utility Room Indoor, Utility Room Outdoor, Vending Machines, Verandas, Veterinaries, 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.

**READ ALL DIRECTIONS COMPLETELY BEFORE USE**

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. Always test in an inconspicuous [hidden] area prior to use as some natural and synthetic fibers may be adversely affected by any liquid product.

**FOR FLEA CONTROL:**

The active ingredient in this concentrate [brand name] is [NYLAR®] [brand name], an insect growth regulator. [NYLAR®] [brand name] is similar to insect growth hormones that occurs naturally in insects and acts on the immature life stages of the flea, preventing the adult flea from developing. 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. The unique properties of [NYLAR®] [brand name] eliminates the flea population, when used as directed. [NYLAR®] [brand name] causes a gradual reduction and ultimate elimination of the flea population by breaking the reproductive cycle. [NYLAR®] [brand name] stops [blocks (interrupts) (terminates)] the flea life cycle and inhibits [stops] the development of the immature stages of the flea [preadult (larval) fleas] [eggs (hatching eggs) (larvae)] for [210 days] [30 weeks] [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 [the biting stage] fleas are present, the use of an adulticide [brand name] may be necessary for immediate relief [control]. This concentrate [brand name] may also be combined with a flea adulticide [adulticide, such as] [brand name]. [NYLAR® Concentrate] [brand name] complements the rapid activity of the adulticide [brand name] by providing long term control of preadult fleas [hatching (larval) fleas (eggs) (hatching eggs) (larvae)] before they grow up to be 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] [brand name] flea or flea and tick collar, [brand name] pet powder, [brand name] pet spray, [brand name] pet dip, [brand name] pet shampoo, flea shampoo or flea and tick shampoo [brand name outdoor product such as]), as part of a complete flea control program in conjunction with this application to minimize the introduction of adult fleas.

[NYLAR® CONCENTRATE] [this concentrate] [brand name] can be used prior to the flea season. Application of this product [brand name], in areas where pets and other animals are known to frequent and where previous infestations have been known to occur, will prevent [stop] the emergence of adult fleas and also control [stop (kill)] stages of fleas that don't resemble 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.

**INDOORS:**

Prior to treatment, carpets, draperies and upholstered furniture should be vacuumed thoroughly and the vacuum cleaner bag disposed of in an outdoor trash receptacle.

**INSTRUCTIONS FOR USE:** [NYLAR®] [brand name] is intended to be mixed with water and applied with spray equipment such as any low pressure sprayer [tank type sprayer] [trigger sprayer] typically used for indoor applications.

**SPRAY PREPARATION:** Prepare a diluted spray solution by adding 1 ounce per gallon of water. Partially fill the mixing container with water, add [NYLAR®] [brand name], agitate and fill to final volume. Do not allow spray mixture to stand overnight. Mix before each use.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** [NYLAR® CONCENTRATE] [this concentrate] [brand name] may be combined with an insecticide [brand name] registered for adult control of fleas. The combination would provide immediate relief [control] of adult fleas and inhibit the development of the immature stages of the flea [preadult (larval) fleas] [eggs (hatching eggs) (larvae)] for [210 days] [30 weeks] [7 months]. This application should conform to accepted use precautions and directions for both products. Use [NYLAR® Concentrate] [brand name] at application rates specified above.

**GENERAL SURFACE APPLICATION:**

Apply [NYLAR®] [brand name] diluted spray at the rate of 1 gallon per 1,500 square feet of surface area. Treat all areas which may harbor fleas, including [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. Repeat as necessary.

**IN KENNELS AND DOGHOUSES:**

Treatment of these areas will control [kill (stop)] the development of preadult [larval] fleas [larvae (hatching eggs)] 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 ounce per gallon 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. Do not allow the spray mixture to stand overnight.

Apply at a rate of 1 gallon diluted solution per 1,500 square feet of surface area. Apply to building, 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, [such as] [brand name] flea or flea and tick collar, [brand name] pet powder, [brand name] pet spray, [brand name] pet dip, [brand name] 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. Repeat as necessary.

**OUTDOORS:**

Apply [NYLAR® CONCENTRATE] [brand name] dilution, as a spot treatment, to areas where pets normally frequent such as [including, but not limited to] under trees, ornamental plants and shrubs. [NYLAR®] [brand name] 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. The unique properties of [NYLAR®] [brand name] eliminates the flea population, when used as directed. [NYLAR®] [brand name] is similar to growth regulators that occur naturally in insects, thereby controlling the flea population by inhibiting reproduction. [NYLAR®] [brand name] causes a gradual reduction and ultimately eliminates the flea population by breaking the reproductive cycle. Avoid soaking young or flowering plants. Existing adult fleas and flea pupae are not affected by this concentrate. Application on soil surfaces will provide 21 days of IGR activity. [Treat lawn area with an EPA registered lawn treatment product [brand name registered product such as] 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 1.0 ounce (1 tsp/gallon covers 333 square feet) in 5 to 15 gallons of water, depending on equipment used, to cover 1,000 square feet. Partially filling the sprayer with water, add [NYLAR®] [brand name], 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 the pets normally frequent. One (1) tsp. per gallon will cover 333 square feet for spot treating pet resting areas. Do not allow the spray mixture to stand overnight. Caution should be taken to avoid spraying when wind conditions could create a mist to blow back to applicator. 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] [brand name] flea or flea and tick collar, [brand name] pet dust, [brand name] pet spray, [brand name] pet dip, [brand name] 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 CONTROL:**

The active ingredient in this concentrate [brand name] is [NYLAR®] [brand name], an insect growth regulator. [NYLAR®] [brand name] is similar to insect growth hormones that occur naturally in insects and acts on the immature life stages of the cockroach preventing [stopping (inhibiting)] nymphal cockroaches from developing into adults [breeding adults] [reproductive adults] [egg laying adults]. Shortly after application of this concentrate [brand name], cockroaches with twisted wings will begin to appear indicating that [NYLAR®]

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[brand name] has taken effect - those cockroaches with twisted wings are unable to reproduce. The unique properties of [NYLAR®] [brand name] eliminates the cockroach population, when used as directed. One treatment works for [180 days] [26 weeks] [6 months] against hatching cockroaches [nymphal (preadult) cockroaches] [hatching eggs (nymphs)].

If a high population of adult cockroaches are present, the use of an adulticide [brand name] may be necessary for immediate relief [control]. [NYLAR®] [brand name] causes a gradual reduction in the cockroach population by interrupting [breaking] the life cycle of the cockroach and preventing the cockroaches from breeding. This concentrate [brand name] may also be combined with a cockroach adulticide [adulticide, such as] [brand name]. [NYLAR® CONCENTRATE] [this concentrate] [brand name] compliments the rapid activity of the adulticide [brand name] by providing long term control of cockroach nymphs [preadult (nymphal) cockroaches] before they become breeding adults [reproductive adults] [adults].

**INDOORS:**

**INSTRUCTIONS FOR USE:** [NYLAR®] [brand name] is intended to be mixed with water and applied with spray equipment such as any low pressure sprayer [tank type sprayer] [trigger sprayer] typically used for indoor applications.

**SPRAY PREPARATION:** Prepare a diluted spray solution by adding 2 ounces per gallon of water. Partially fill the mixing container with water, add [NYLAR®] [brand name], agitate and fill to the final volume. Agitate before each spray. Do not allow spray mixture to stand overnight.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** [NYLAR® CONCENTRATE] [this concentrate] [brand name] may be combined with an insecticide [brand name] registered for adult control of cockroaches. The combination would provide immediate relief [control] of adult cockroaches and inhibit the development of the immature stages of the cockroach [preadult (nymphal) cockroaches] [hatching eggs (nymphs)] for [180 days] [26 weeks] [6 months]. This application should conform to accepted use precautions and directions for both products. Use [NYLAR® Concentrate] [brand name] at application rates specified above.

**GENERAL SURFACE APPLICATION:**

**COCKROACHES** Brown Banded Cockroach, Asian Cockroach, German Cockroach, and Cricket: Apply diluted spray at the rate of 1 gallon per 1,000 square feet 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. Repeat as necessary.

**OUTDOOR PERIMETER TREATMENTS:**

Prepare a diluted spray solution by adding 2 ounces per gallon of water into any low pressure sprayer [tank type sprayer] trigger sprayer] [pump sprayer]. At the rate of 1 gallon per 1,000 feet, apply in a band 2 to 4 feet adjacent to and around the structure and apply to a height of 2 to 3 feet on the foundation where pests may be active or may find entrance. Apply spray around window frames, doors, garage doors, patios, decks, carports, shutters, around garbage areas, sill plate and other areas where cockroaches may congregate. Avoid spraying into the air. Caution should be taken to avoid spraying when wind conditions could create a mist to blow back to the applicator. Do not apply this product in or around bodies of water. Repeat as necessary.

**NOTE: NOT LABELED FOR USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS**

**IN CONJUNCTION WITH CARPET SHAMPOO:** [NYLAR® CONCENTRATE] [this concentrate] [brand name] may be combined with a liquid, non-heat extracting, carpet shampoo application. Following dilution instructions on carpet shampoo, add 1 ounce per gallon, of [this concentrate] [brand name], into shampoo dilution 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.

**SPOT AND CRACK AND CREVICE APPLICATIONS:** Apply [NYLAR®] [brand name] diluted spray solution using a pressurized spray system capable of delivering a pin-point or variable spray pattern. Crack and Crevice applications may be made directly to areas such as but not limited to 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 but not limited to storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, shelves, drawers and similar areas.

**WAREHOUSES:** [NYLAR®] [brand name] may be applied as a general surface, fogger, spot or crack and crevice treatment in nonfood storage warehouses or in warehouses where stored food items are limited solely to either bottled or canned items, so that food contact is not anticipated. Apply to all areas that may harbor pests, including under and between pallets.

**STORAGE AND DISPOSAL**

**STORAGE:** Store in a cool, dry place. Keep container closed.

**DISPOSAL:** Do not reuse empty container. Wrap container in several layers of newspaper and discard in garbage.

Net Contents \_\_\_\_\_  
Manufactured by:  
Mc LAUGHLIN GORMLEY KING COMPANY  
8810 Tenth Avenue North  
Minneapolis, MN 55427