

	United States Environmental Protection Agency Washington, DC 20460	Registration Amendment Other	OPP Identifier Number
		X	

Application for Pesticide - Section I

1. Company/Product Number 1021-1620	2. EPA Product Manager Marion Johnson	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NYLAR® 1.3 EC	PM# 10	
5. Name and Address of Applicant (Include Zip Code) McLAUGHLIN GORMLEY KING COMPANY 8810 TENTH AVENUE NORTH MINNEAPOLIS, MN 55427 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION
AUG 09 2003

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
By notification, we are adding optional marketing language to this label.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
*Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Plastic
					<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					<input type="checkbox"/> Other (Specify)
3. Location of Net Contents information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Thomas A. Lennan	Title Registration Specialist	Telephone No. (Include Area Code) (763) 544-0341
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Specialist	
4. Typed Name Thomas A. Lennan	5. Date 7/25/2003	

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Nylar 1.3-0703 Master



NYLAR® 1.3 EC

Emulsifiable Concentrate with Insect Growth Regulator for Control of Fleas, Stored Product Pests, Listed Roaches, Crickets, Litter Beetles, and Flying Insects

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A.

TELEPHONE (763) 544-0341

For use in the home and in Food and Non-food areas of Restaurants, Food Processing Plants, 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 such as Automobiles, Boxcars, Buses, Boats, Trucks, Railcars, Ship Cargo Holds, and outside on Lawns and Building Perimeters.

[] OR () indicates alternate or optional wording

NYLAR® 1.3 EC [or brand name] is an insect growth regulator similar to the naturally occurring insect growth hormones which interferes with [stops] their growth or development

NYLAR® 1.3 EC [or brand name] stops [prevents] the flea and certain listed cockroaches from developing into egg laying adults

NYLAR® 1.3 EC [or brand name] can be used as part of an integrated pest management [IPM] program

NYLAR® 1.3 EC [or brand name] can be a biorational approach to insect control

NYLAR® 1.3 EC [or brand name] keeps working in areas exposed to the sun for up to 14 days

Continuous protection against stored product pests for 3 months.

Labeled for use in food areas of food handling establishments.

Labeled for Spot, Crack and Crevice, and Fogging use in food handling establishments.

NOTIFICATION

AUG 09 2003

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® 1.3 EC [or 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® 1.3 EC [or 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

NYLAR® 1.3 EC [or brand name] can be used alone or in combination with other insecticides and as an aid to prevent the development of insecticide resistance

NYLAR® 1.3 EC [or brand name] is photostable for up to 14 days, providing residual control of outdoor pests such as fleas and cockroaches, even in areas with direct sunlight

Reduces egg production in houseflies and prevents development of larvae (maggots) into adults

Effectively breaks certain listed cockroach life cycle

NYLAR® 1.3 EC [or 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]

[For control of Fleas, Listed Roaches, Crickets & Flying Insects (such as Mosquitoes & Gnats)]

ACTIVE INGREDIENT:

2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine 1.30%

* OTHER INGREDIENTS 98.70%

100.00%

*Contains petroleum distillate

NYLAR® - Registered trademark of McLaughlin Gormley King Co.

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KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> 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 SWALLOWED:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> 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 the International Poison Center at 1-888-740-8712.	

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.

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

ENVIRONMENTAL HAZARDS

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

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, Bakeries, Bathrooms, Basements, Bedrooms, Boats, Breweries, Buses, Cabinets, Cabins, Cafeterias, Campers, Campsites, Candy Plants, Canneries, Carpet, Cat Living [Sleeping] Quarters (enclosed premise treatment), Cereal Processing Facilities, Chests, Closed Porches, Closets, Clothes Storage, Commercial Buildings, Condominiums, Convenience Stores, Crawl Spaces, Crematoriums, Dairies, 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, Flour Mills, Food Processing Plants, 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, 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, Tobacco Plants and Warehouses, 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.
[Not Labeled For Use in Food Areas or Food Handling Establishments]

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

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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 NYLAR® 1.3 EC [or 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® 1.3 EC [or brand name] eliminates the flea population, when used as directed. NYLAR® 1.3 EC [or brand name] causes a gradual reduction and ultimate elimination of the flea population by breaking the reproductive cycle. NYLAR® 1.3 EC [or 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® 1.3 EC [or 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 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] [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® 1.3 EC [or brand name] 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 [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.

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 NYLAR® 1.3 EC [or brand name] per gallon of Water	1 fl oz NYLAR® 1.3 EC [or brand name] per 1,500 sq ft	• Use in conjunction with an adulticide to provide immediate control of adult fleas and flea pupae.
	In conjunction with carpet shampoo	1 fl oz NYLAR® 1.3 EC [or brand name] per gallon of shampoo dilution	As per shampoo product label	
In Kennels and Doghouses	General Surface Application (Including Broadcast , Spot and Crack & Crevice)	1 fl oz NYLAR® 1.3 EC [or brand name] per gallon of water	1 fl oz NYLAR® 1.3 EC [or brand name] per 1,500 sq ft	• Treat animals with an EPA registered flea control product.
Outdoor Flea Control	General Surface Application (Including Broadcast , Spot and Crack & Crevice)	1 fl oz NYLAR® 1.3 EC [or brand name] in a sufficient volume of water to achieve thorough coverage	1 fl oz NYLAR® 1.3 EC [or brand name] per 1,000 sq ft	• 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: NYLAR® 1.3 EC [or 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 fluid ounce of NYLAR® 1.3 EC [or brand name] per gallon of water. Partially fill the mixing container with water, add NYLAR® 1.3 EC [or 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® 1.3 EC [or 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® 1.3 EC [or brand name] at application rates specified above.

GENERAL SURFACE APPLICATION: Apply NYLAR® 1.3 EC [or 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.

IN CONJUNCTION WITH CARPET SHAMPOO: NYLAR® 1.3 EC [or brand name] may be combined with a liquid, non-heat extracting, carpet shampoo application. Following dilution instructions on carpet shampoo, add 1 fluid ounce of NYLAR® 1.3 EC [or brand name] per gallon of diluted shampoo to be applied to carpet. Mix well and shampoo carpet as per instructions on the shampoo product label. Allow carpet to completely dry and vacuum thoroughly.

IN KENNELS AND DOGHOUSES: 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 fluid 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.

OUTDOOR FLEA CONTROL:

Apply NYLAR® 1.3 EC [or brand name] dilution, to areas where pets normally frequent such as [including, but not limited to] under trees, ornamental plants and shrubs. NYLAR® 1.3 EC [or 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® 1.3 EC [or brand name] eliminates the flea population, when used as directed. NYLAR® 1.3 EC [or brand name] is similar to growth regulators that occur naturally in insects, thereby controlling the flea population by inhibiting reproduction. NYLAR® 1.3 EC [or 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 such as [brand name registered 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 NYLAR® 1.3 EC [or brand name] [in a sufficient volume of water to achieve thorough coverage of] [5 to 15 gallons of water, depending on equipment used to cover] 1,000 square feet. Partially filling the sprayer with water, add NYLAR® 1.3 EC [or 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 166 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 AND CRICKET CONTROL:

The active ingredient in NYLAR® 1.3 EC [or brand name] is an insect growth regulator. NYLAR® 1.3 EC [or brand name] is similar to insect growth hormones that occur naturally in insects and acts on the immature life stages of the cockroach and cricket preventing [stopping (inhibiting)] nymphal cockroaches and crickets from developing into adults [breeding adults] [reproductive adults] [egg laying adults]. Shortly after application of this concentrate, cockroaches with twisted wings will begin to appear indicating that NYLAR® 1.3 EC [or brand name] has taken effect - those cockroaches with twisted wings are unable to reproduce. The unique properties of NYLAR® 1.3 EC [or brand name] eliminates the cockroach and cricket population, when used as directed. One treatment works for [180 days] [26 weeks] [6 months] against hatching cockroaches [nymphal (preadult) cockroaches] [hatching eggs (nymphs)] and crickets.

If high populations of adult cockroaches are present, the use of an adulticide [brand name] may be necessary for immediate relief [control]. NYLAR® 1.3 EC [or 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 may also be combined with a cockroach adulticide [adulticide, such as] [brand name]. NYLAR® 1.3 EC [or 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].

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 NYLAR® 1.3 EC [or brand name] per gallon of water	2 fl oz NYLAR® 1.3 EC [or brand name] per 1,000 sq ft	• Use in conjunction with an adulticide to provide immediate control of adult insects.
Outdoor	Perimeter Crack and Crevice	2 fl oz NYLAR® 1.3 EC [or brand name] per gallon of water	2 fl oz NYLAR® 1.3 EC [or brand name] per 1,000 sq ft	

FOR INDOOR COCKROACH AND CRICKET CONTROL:

INSTRUCTIONS FOR USE: NYLAR® 1.3 EC [or brand name] is intended to be mixed with water and applied with spray equipment such as a low pressure sprayer [tank type sprayer] [trigger sprayer] typically used for indoor applications.

SPRAY PREPARATION: Prepare a diluted spray solution by adding 2 fluid ounces of NYLAR® 1.3 EC [or brand name] per gallon of water. Partially fill the mixing container with water, add NYLAR® 1.3 EC [or brand name], agitate and fill to the final volume. Agitate before each spray. Do not allow spray mixture to stand overnight.

DILUTION FOR FOGGING APPLICATION: To prepare the fogging solution, mix 16 fl. oz. of this concentrate with 16 fl. oz. of petroleum distillate or 16 fl. oz. of water and agitate to assure a uniform mixture. The resulting quart (32 fl. oz.) of solution will then be used to fog 30,400 cubic feet of space.

IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE: NYLAR® 1.3 EC [or 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® 1.3 EC [or brand name] 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 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 NYLAR® 1.3 EC [or brand name] 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 2-4 feet adjacent to and around the structure and apply to a height of 2-3 feet on the foundation where pests may be active or may find entrance. Apply spray 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.

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, Sawtooth Grain Beetles, Warehouse Beetles, Cigarette Beetles, and Dermestid Beetles).

WAREHOUSES: NYLAR® 1.3 EC [or brand name] may be applied as a general surface, fogger, spot or crack and crevice treatment in food and nonfood storage warehouses or in 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):

NON-FOOD AREAS: NYLAR® 1.3 EC [or brand name] 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] [SERVING] AREAS: NYLAR® 1.3 EC [or brand name] 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 should 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.

[Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed.]

SPRAY PREPARATION FOR SURFACE, SPOT, AND CRACK AND CREVICE APPLICATIONS: Prepare a diluted spray solution by adding 1.5 fluid ounces of NYLAR® 1.3 EC [or brand name] per gallon of water. Partially fill the mixing container with water, add NYLAR® 1.3 EC [or brand name], agitate and fill to final volume. Agitate before each spray application. Do not allow spray mixture to stand overnight.

TANK MIXING: NYLAR® 1.3 EC [or brand name] can be tank mixed with an adulticide currently registered for use, unless the product label prohibits such use. The resulting tank mixture must be used in accordance with the more restrictive label limitations and precautions.

Stored Product Pests	Treatment	Spray Solution Preparation	Coverage per unit area	Comments
Food and Nonfood areas	General Surface Application (Including Broadcast, Spot and Crack & Crevice)	1.5 fl oz NYLAR® 1.3 EC [or brand name] per gallon of water	1.5 fl oz NYLAR® 1.3 EC [or brand name] per 1,500 sq ft	• Use in conjunction with an adulticide to provide immediate control of adult insects
Food and Nonfood areas	Fogging / ULV	1.5 fl oz diluted in appropriate carrier	1.5 fl oz NYLAR® 1.3 EC [or brand name] diluted in appropriate carrier per 12,000 cu ft	

GENERAL SURFACE APPLICATIONS: Apply diluted spray at a rate of 1 gallon per 1,500 square feet. 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 NYLAR® 1.3 EC [or 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.

FOGGING APPLICATIONS: NYLAR® 1.3 EC [or brand name] 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, NYLAR® 1.3 EC [or brand name] may be diluted with water or petroleum distillate. Apply at a rate of 1.5 fluid ounces of NYLAR® 1.3 EC [or brand name] per 12,000 cubic feet. Fogging applications are recommended for larger facilities including 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 before reentry.

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

NYLAR® 1.3 EC [or brand name] can be applied to litter, such as in poultry houses infested with litter beetles, to break the lifecycle of these insect pests. When used as directed, NYLAR® 1.3 EC [or brand name] will not harm beneficial insects in animal litter or bedding, such as predatory wasps. Make uniform application of NYLAR® 1.3 EC [or brand name] to litter at the rate of 1 fluid ounce of NYLAR® 1.3 EC [or brand name] per 1,000 square feet 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 treatment immediately after animals are removed and again just prior to new animal placement are 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. Do not contaminate food/feed or water.

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 NYLAR® 1.3 EC [or brand name] in sufficient volume of water to achieve thorough coverage	1 fl oz NYLAR® 1.3 EC [or brand name] per 1,000 sq ft	<ul style="list-style-type: none"> • Use in conjunction with an adulticide to provide immediate control of adult Litter Beetles. • Do not apply to interior areas where animals are present.

Apply NYLAR® 1.3 EC [or brand name] uniformly at the rate of 1 fluid ounce of NYLAR® 1.3 EC [or brand name] per 1,000 square feet 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 growout or sanitization procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply NYLAR® 1.3 EC [or brand name] or adulticide insecticides, or both, in a uniform band at least 1 foot up and 1-4 feet out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

FOR CONTROL OF ANTS:

Apply NYLAR® 1.3 EC [or brand name] at the rate of 2 fluid ounces diluted in water per 1,000 square feet to interior areas where ants are actively foraging, and in a band 6-10 feet wide adjacent to the exterior foundation wall of the building. NYLAR® 1.3 EC [or brand name] may be used in alternation or in a tank mix combination with an adulticide insecticide.

- If needed, repeat treatments with NYLAR® 1.3 EC [or brand name] may be made 14 days after previous treatment, or if heavy rainfall occurs repeat as necessary.

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 NYLAR® 1.3 EC [or brand name] in sufficient volume of water to thoroughly wet the surface being treated	2 fl NYLAR® 1.3 EC [or brand name] per 1,000 sq ft	<ul style="list-style-type: none"> • 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 House Flies, Stable Flies, Moths, Mosquitoes, Nuisance Flies (Gnats, Midges) and other similar flying pest insects such as those classified as Dipterous or Hymenopterous. NYLAR® 1.3 EC [or brand name] is similar to insect growth hormones that occur naturally in flies and other flying insects, having effects on both adult and juvenile stages. In house flies, NYLAR® 1.3 EC [or brand name] 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, NYLAR® 1.3 EC [or brand name] insect growth regulator will result in a reduction in adult fly populations after 3-4 weeks when previously hatched adult flies have died naturally.

NYLAR® 1.3 EC [or brand name] may be used for control of flying insect pests in those areas in, on and around buildings as previously described under DIRECTIONS FOR USE. These areas include, but are not limited to residential, commercial, public, industrial and agricultural buildings for the purposes of controlling general and occasional insect pests. NYLAR® 1.3 EC [or brand name] 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, pot holes, and estuaries.
- If needed, repeat treatments with NYLAR® 1.3 EC [or brand name] may be made 14 days after previous treatment, or if heavy rainfall occurs repeat as necessary.

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 NYLAR® 1.3 EC [or brand name] 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. As an IPM strategy, combining or alternating NYLAR® 1.3 EC [or brand name] with other types of chemicals, such as pyrethroid or organophosphate insecticides, can reduce or prevent the development of genetic resistance to these adulticide insecticides.

TANK MIXING: Make applications in accordance with those label instructions that are consistent for each product. Prepare the tank mix using the recommended label rate of adulticide and NYLAR® 1.3 EC [or brand name] by adding the adulticide first and making sure it is well mixed and in suspension, then adding the correct amount of NYLAR® 1.3 EC [or brand name] according to the label instructions below.

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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 NYLAR® 1.3 EC [or brand name] in sufficient volume of water to thoroughly wet the surface being treated.	1 fl oz NYLAR® 1.3 EC [or brand name] per 1,500 sq ft	• Use in conjunction with an adulticide to provide immediate control of adult insects
	Fogger / ULV treatment	1.5 fl oz NYLAR® 1.3 EC [or brand name] diluted in carrier	1.5 fl oz NYLAR® 1.3 EC [or brand name] diluted in carrier per 12,000 cu ft	

TREATMENTS IN, ON AND AROUND LIVESTOCK AND POULTRY HOUSING AND PET KENNELS: NYLAR® 1.3 EC [or brand name] 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. 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, doors, around windows, garbage and refuse areas. When used as directed, NYLAR® 1.3 EC [or brand name] will not harm beneficial insects in animal litter or bedding, such as predatory wasps. Control will be enhanced when facilities are cleaned and interior applications are supplemented with exterior perimeter treatments.

- Treat bird cages or stock pens only after removal of animals
- Do not make interior applications of NYLAR® 1.3 EC [or brand name] in areas of facility where animals are present
- Allow treated areas to dry before allowing animals back in treated areas of facility
- Do not contaminate or apply to food or foodstuffs, water or watering equipment.

TREATMENTS TO INTERIOR AREAS AND SURFACES: Use 1 fluid ounce of NYLAR® 1.3 EC [or brand name] per gallon of water and apply to 1,500 square feet 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, conduit, stalls, stanchions, floors, and walkways. When NYLAR® 1.3 EC [or brand name] 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 NYLAR® 1.3 EC [or brand name] per gallon 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 of product diluted in water such as to cover 1,500 square feet, 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 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

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.

STORAGE AND DISPOSAL

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

DISPOSAL:

If Empty: Do not reuse this container. Place in trash or offer for recycling if available.

If Partially Filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Net Contents _____

Manufactured by:

Mc LAUGHLIN GORMLEY KING COMPANY

8810 Tenth Avenue North

Minneapolis, MN 55427

EPA Reg. No. 1021-1620

EPA Est. No. 1021-MN-2

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McLAUGHLIN GORMLEY KING COMPANY
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July 25, 2003

Document Processing Desk (NOTIF)
U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs (7504C)
Crystal Mall # 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Via Courier

Subject:

NYLAR® 1.3 EC
EPA Reg. No. 1021-1620
Notification per PR Notice 98-10

Dear Sir or Madam:

By notification, we are adding an optional marketing phrase to this label.

Enclosed are 2 copies of the label with 1 copy with changes highlighted.

I certify that no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, then this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If there are any questions or you need anything further, please contact this office.

Sincerely,

McLAUGHLIN GORMLEY KING COMPANY

Thomas A. Lennan
Registration Specialist

Enclosure

