

OCT 2 2003

Cheryl Purcell  
Farnam Companies, Inc.  
301 West Osborn  
Phoenix, AZ 85014

Subject: Amended Label For:  
Farnam 1.3% IGR E.C.  
EPA Registration No. 270-295  
Application dated June 18, 2003

Dear Ms. Purcell:

The proposed amendment to the registration of the product cited above under The Federal Insecticide, Fungicide And Rodenticide Act, as amended bringing the product label into compliance with PR Notice 2001-1 is acceptable subject to the comments listed below. A stamped copy of the amended label is enclosed for your records.

1) Since this product contains petroleum distillates, change the First Aid Statement for If Swallowed to read:

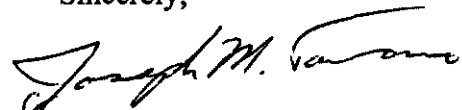
IF SWALLOWED: \* Immediately call a poison control center or doctor.  
\* Do not induce vomiting unless told to do so by a poison control center or doctor.  
\* Do not give **any** liquid to the person.  
\* Do not give anything by mouth to an unconscious person.

- 2) The statement, "Contains petroleum distillates.", must appear on the label immediately under the Ingredients Statement.
- 3) Delete the statement, "[Nylar][brand name] can be a biorational approach to insect control."

2/11

If you have any questions or comments please contact Joseph Tavano at (703) 305-6411.

Sincerely,



Linda Arrington  
Acting Product Manager 10  
Insecticide Branch  
Registration Division (7505C)



## FARNAM 1.3% IGR E.C.

- Emulsifiable Concentrate for Fleas and Listed Roaches with [brand name] Insect Growth Regulator

[ ] ( ) indicates alternate or optional wording

- [Nylar®][brand name] is an insect growth regulator similar to the naturally occurring insect growth hormones which interferes [stops] their growth or development
- [Nylar®][brand name] stops [prevents] the flea and cockroach 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 for 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 area 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

A/11

- Prior to the flea season, previously known infested areas can be pretreated to reduce the developing population
- Effectively breaks the cockroach life cycle
- [Nylar®][brand name] keeps working on cockroaches for 180 days [26 weeks][6 months]
- Works with nature to interrupt [break] the life cycle of the cockroach
- Inhibits reinfestation by cockroaches for up to 180 days [26 weeks][6 months]
- Effectively controls [eliminates] cockroach populations by preventing reproduction [thereby eliminating future generations]
- Prevents [stops][inhibits] nymphal cockroaches from becoming adults [breeding adults][reproductive adults][egg laying adults]
- One treatment stops cockroaches from generating reproductive offspring for [180 days][ 26 weeks][6 months]

**ACTIVE INGREDIENT:**

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

**OTHER INGREDIENTS:**.....98.70%

**TOTAL**.....100.00%

NYLAR®-Registered trademark of McLaughlin Gormley King Co.

KEEP OUT OF REACH OF CHILDREN  
CAUTION

Net Contents \_\_\_\_\_

EPA Reg. No. 270-295

Farnam Companies, Inc.  
301 West Osborn Road  
Phoenix, AZ 85013

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
OCT 2 2003  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
270-295

EPA Est. No. \_\_\_\_\_

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 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.

| FIRST AID   |  |
|---|--|
| IF IN EYES:   | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| IF SWALLOWED:   | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| IF ON SKIN OR CLOTHING:   | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| In case of medical emergencies or health and safety inquiries, or in case of fire, leaking or damaged containers or for product use information, call 602-285-1660. |  |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  |  |

For use in indoor areas such as:

6/11

Animal Quarters (enclosed premise treatment), Apartments, Atriums, Attics, Bathrooms, Basements, Bedrooms, Cabinets, Cabins, Campers, Carpet, Cat Living [Sleeping] Quarters (enclosed premise treatment), Chests, Closed Porches, Closets, Clothes Storage, Commercial Buildings, Condominiums, Crawl Spaces, Crematoriums, Day Care Centers, Decks, Dens, Dog Houses, Dog Living [Sleeping] Quarters, Dog Kennel Runs, Dormitories, Draperies, Dressers, Fabric Storage Areas, Factories, Floors, Funeral Parlors, Furniture, Garages, Garbage Areas, Garbage Cans, Gazebos, Homes, Hospitals, Hotels, Industrial Plants, Institutions, Jails, Kennels, Lanais, Living Rooms, Locker Rooms, Mausoleums, Mobile Homes, Morgues, Mortuaries, Motels, Nursing Homes, Office Buildings, Other Public Buildings, Pantry, 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, Recreation Vehicles, Rooms, Rugs, Schools, Shutters, Solariums, Storage Areas, Sun Porches, Sun Rooms, Theaters, Town House, Trailers, Trains, Tree Houses, Upholstered Furniture, Utility Room Indoor, Utility Room Outdoor, Verandahs, Veterinaries, Warehouses, Washrooms.

#### 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 USING

For best results, follow directions for specific use areas. Do not use product in or on electrical equipment due to the 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 occur naturally in insects and act 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] eliminate 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®][brand name] compliments 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®][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. The 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 and the vacuum cleaner bag disposed of in an outdoor trash receptacle.

8/11

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 1.5 ounces 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®][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 DOG HOUSES:

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 1.5 ounces 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



9/11

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.

#### 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 appear, indicating that [NYLAR®][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] before they become breeding adults [reproductive adults][adults].

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][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][26weeks][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 Crickets: Apply diluted spray at the rate of 1 gallon per 1,000 square feet of surface area as a spot treatment, surface applications 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 installations areas, infested furniture and the inside of cabinets and closets hitting insects with spray whenever possible. Repeat as necessary.

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

**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, area 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:** Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry place inaccessible to children and pets. **DISPOSAL:** If **empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or call 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.