



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 16, 2021

Ms. Noelle Melton  
Regulatory Affairs Specialist  
Phaeton Corporation  
1501 E. Woodfield Rd, Suite 200W  
Schaumburg, IL 60173

Subject: Registration Review Label Mitigation for Pyriproxyfen  
Product Name: UNICORN IGR CONCENTRATE  
EPA Registration Number: 28293-216  
Application Date: April 21, 2020  
Decision Number: 567384

Dear Ms. Melton:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Pyriproxyfen Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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If you have any questions, please contact Mr. Carmen J. Rodia, Jr. by phone at (703) 306-0327, or via email at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely,



Shanta Adeeb, Product Manager 10  
Invertebrate-Vertebrate Branch 2  
Registration Division (7505P)  
Office of Pesticide Programs

*Enclosure: Stamped "Accepted" Master Label, April 16, 2021*

[ ] indicates alternate or optional wording

<b>Pyriproxyfen</b>	<b>Group</b>	<b>7C</b>	<b>INSECTICIDE</b>
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### **UNICORN IGR CONCENTRATE**

Emulsifiable Concentrate for Fleas and Listed Roaches with NYLAR® Insect Growth Regulator

**ACTIVE INGREDIENT:**

Pyriproxyfen ..... 1.30%

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

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

NYLAR® - Registered trademark of McLaughlin Gormley King Co.

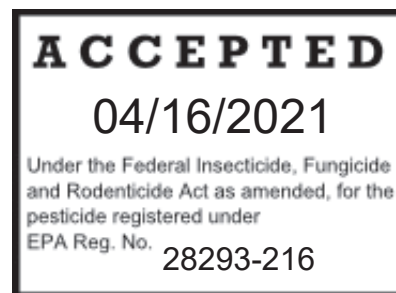
### **KEEP OUT OF REACH OF CHILDREN CAUTION**

See Side/Back Panel for Additional Precautionary Statements

NET CONTENTS:

EPA REG. NO. 28293-216  
EPA EST NO.

[MANUFACTURED FOR]  
Unicorn Laboratories  
1500 East Woodfield Road 200W  
Schaumburg, IL 60173



**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 hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs.

<b>FIRST AID</b>	
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>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**FOR USE IN INDOOR AREAS SUCH AS:**

Animal Quarters [enclosed premise treatment], Apartments, Atriums, Attics, Bathrooms, Basements, Bedrooms, Cabinets, Cabins, Campers, Carpets, 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, Pantries, 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, Side Yards, Solariums, Storage Areas, Sun Rooms, Sun Porches, Theaters, Town Houses, Trailers, Trains, Tree Houses, Upholstered Furniture, Utility Room Indoor, Utility Room Outdoor, Verandas, Veterinaries, Warehouses, and 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 USE.**

## **USE RESTRICTIONS**

Do not use this product in or on electrical equipment due to possibility of shock hazard.

Do not allow spray mixture to stand overnight.

Remove animals before spraying and do not return animals to treated areas until spray has dried completely.

Do not allow children or pets to contact treated surfaces until spray has dried.

## **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, Unicorn IGR Concentrate contains a Group 7C insecticide. Any insect population may contain individuals naturally resistant to Unicorn IGR Concentrate and other Group 7C insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly. Appropriate resistance-management strategies should be followed. To delay insecticide resistance, take the following steps:

- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest(s) when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rate at which are individually registered for use against the target species
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes, using historical information related to pesticide use, record keeping and which considers biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact Unicorn Laboratories at 1-847-330-5300.

For best results, follow directions for specific use areas. 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 is Nylar®, an insect growth regulator. It is similar to insect growth hormones that occur 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® eliminates the flea population, when used as directed. It causes a gradual reduction and ultimate elimination of the flea population by breaking the reproductive cycle. It 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 may be necessary for immediate relief [control]. This concentrate may also be combined with a flea adulticide. This product compliments the rapid activity of the adulticide 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, as part of a complete flea control program in conjunction with this application to minimize the introduction of adult fleas.

This concentrate can be used prior to the flea season. Application of this product in areas where pets and other animals are known to frequent and where previous infestations have been known to occur, will prevent [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:** This concentrate 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 concentrate, agitate and fill to final volume. Do not allow spray mixture to stand overnight. Mix before each use.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** This concentrate may be combined with an insecticide 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 this concentrate at application rates specified above.

**SURFACE APPLICATION:** Apply 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 fl 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 buildings, resting areas, walls, floors, 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, in conjunction with this application as part of a complete flea control program to prevent the introduction of adult fleas. Repeat as necessary.

## SPRAY DRIFT

### SPRAY DRIFT ADVISORIES

Take precautions to minimize spray drift.

**FOR GERMAN, ASIAN, AND BROWN BANDED COCKROACH CONTROL:** The active ingredient in this concentrate is Nylar®, an insect growth regulator. It 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, cockroaches with twisted wings will begin to appear indicating that it has taken effect - those cockroaches with twisted wings are unable to reproduce. The unique properties of this concentrate eliminate 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 may be necessary for immediate relief [control]. Nylar® 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. This concentrate compliments the rapid activity of the adulticide by providing long term control of cockroach nymphs [preadult [nymphal] cockroaches] before they become breeding adults [reproductive adults] [adults].

### INDOORS:

**INSTRUCTIONS FOR USE:** This concentrate 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 concentrate, 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:** This concentrate may be combined with an insecticide 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 cockroaches [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 this concentrate at application rates specified above.

**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 base boards, 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.

**RESTRICTION:** Not Labeled For Use In Food Areas of Food Handling Establishments.

**SPOT AND CREVICE APPLICATIONS:** Apply 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:** This concentrate may be applied as a surface, fogger, spot or crack and crevice treatment in nonfood storage warehouses or in warehouses where stored food items are limited solely to either bottle 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**

**PESTICIDE STORAGE:** Keep this product in its tightly closed original container. Store in a cool dry (preferably locked) area away from other pesticides, fertilizer, food or feed that is inaccessible to children and animals

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. If Empty: Do not reuse or refill this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain



## OPTIONAL MARKETING CLAIMS

An insect growth regulator similar to the naturally occurring insect growth hormones which interferes [stops] their growth or development.

Stops [prevents] fleas and certain listed cockroaches from developing into egg laying adults.

Can be used as part of an integrated pest management [IPM] program.

Can be a biorational approach to insect control.

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

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 adult 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.

Acts on the immature life stages 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

Effectively breaks certain listed cockroaches' life cycles

Keeps working on listed cockroaches for 180 days [26 weeks] [6 months]

Works with nature to interrupt [break] the life cycles 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]