



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

August 16, 2022

Noelle Sanfilippo  
Regulatory Affairs Specialist  
Central Garden & Pet Company  
1501 E. Woodfield Rd., Suite 200W  
Schaumburg, IL 60173

Subject: Notification per PRN 98-10 – Add ABN “Starbar® Inhibidor™ Insecticidal Pour-On”,  
contact information, trademark, and registration number  
Product Name: RF2301 LPD PO  
EPA Registration Number: 89459-127  
Application Date: December 8, 2021  
Decision Number: 586735

Dear Noelle Sanfilippo:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “NOTIFICATION” and placed in our records. The alternate brand name, “**Starbar® Inhibidor™ Insecticidal Pour-On**” has been added to the product record.

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 (FIFRA) 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) lists 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.

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If you have any questions, please contact Briana Hanlon at (202) 566-2716 or at [hanlon.briana@epa.gov](mailto:hanlon.briana@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Tamica Cain".

Tamica Cain, Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Registration Division (7505T)

**Note to reviewer: Brackets [ ] denote optional language. The final label may include some or all of the optional text.**

<b>DIFLUBENZURON</b>	<b>GROUP</b>	<b>15</b>	<b>INSECTICIDE</b>
<b>LAMBDA-CYHALOTHRIN</b>	<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>

# RF2301 LPD PO

**Alternate brand name: Starbar® Inhibidor™ Insecticidal Pour-On**

Insecticide For Cattle  
 Ready-To-Use as a Pour-On  
 Combination of an insect growth regulator, adulticide and synergist  
 Provides control of chewing and sucking lice  
 Prevents louse eggs [(nits)] from hatching  
 Kill louse eggs [(nits)] before they hatch  
 One Application controls lice  
 Season long Control of Lice [(JAN-APR)]  
 Kills horn flies, horse flies and deer flies  
 Kills horn, horse and deer flies on beef cattle and calves  
 Kills chewing and sucking lice, horn flies, stable flies, horse and deer flies on beef cattle and calves  
 Kills horn flies for up to 7 days [when applied as a pour-on]  
 Kills horn flies for up to 17 days when applied as a pour-on  
 Kills stable flies for up to 10 days [when applied as a pour-on]  
 Kills stable flies for up to 10 days when applied as a pour-on  
 For Use as: Pour On  
 For Use on: Beef Cattle and calves  
 Treats 64 Cattle (1,000 lbs. per animal) [For 1/2 Gallon Size Packaging Only]  
 Treats 128 Cattle (1,000 lbs. per animal) [For 1 Gallon Size Packaging Only]  
 Treats 320 Cattle (1,000 lbs. per animal) [For 2.5 Gallon Size Packaging Only]  
 [POUR ON]

## NOTIFICATION

89459-127

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

08/16/2022

### ACTIVE INGREDIENTS:

Diflubenzuron .....	3.0%
Piperonyl Butoxide* .....	2.5%
Lambda-cyhalothrin .....	0.5%
<b>OTHER INGREDIENTS**:</b> .....	<b>94.0%</b>
<b>TOTAL</b>	<b>100.0%</b>

\*(butylcarbityl)(6-propylpiperonyl) ether and related compounds

\*\*Contains petroleum distillates

## KEEP OUT OF REACH OF CHILDREN

See inside label booklet for additional Precautionary Statements and First Aid

EPA Reg. No. 89459-127XXX

EPA Est. No.

Net Contents:

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Contains Petroleum distillate. Harmful if swallowed.

<b>FIRST AID</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor for treatment advice.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give <b>any</b> liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-347-8272 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear the following:

Long-sleeve shirt and long pants;

Chemical-resistant gloves made of barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or Viton ≥ 14 mils when mixing/loading or when using handheld equipment

Shoes and socks

Chemical-resistant apron for persons cleaning equipment, and for handlers performing animal dip applications

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Do not contaminate water when disposing of equipment washwaters or rinsate. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. See Directions for Use for additional precautions and requirements.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not allow this product to drift to blooming crops or weeds while bees are actively foraging the treatment area.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

### RESISTANCE-MANAGEMENT

For resistance management, please note that RF2301 LPD PO contains both a Group 15/diflubenzuron and Group 3A/lambda-cyhalothrin insecticide. Any insect population may contain individuals naturally resistant to RF2301 LPD PO and other Group 15 or Group 3A insecticides. The resistant individuals may dominate the insect population if these insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, record keeping, and which considers cultural, 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 Central Garden & Pet Company at (1-800-347-8272) or at ([www.starbarproducts.com](http://www.starbarproducts.com)).

SHAKE WELL BEFORE USE.

### USE RESTRICTIONS:

- Apply this product only as specified on this label.
- Do not apply more than once every two weeks.
- Do not contaminate food or feedstuffs.
- Do not apply when food or feed is present.
- Remove or cover food processing equipment and food preparation surfaces or wash them before use.
- Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- Do not make applications with a sponge.
- Do not apply by high pressure hand wand, handheld foggers, or fog/mist generators.
- Not for broadcast application.
- Do not use this product directly on domestic (companion) animals (dogs, cats, puppies, or kittens).
- This product is not for use in outdoor residential misting systems (indoor or outdoor), or in metered release misting systems.
- Not for use in commercial animal premise automatic misting systems.
- Removable chemical extraction probes (also known as "stingers") used in suction/extraction systems must be rinsed within the pesticide container prior to removal.
- Do not apply this product to face of beef cattle or calves.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- Do not apply the product into fish pools, ponds, streams or lakes. Do not apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

May be used only for pour-on application to beef cattle and calves, indoors or outdoors.

**POUR-ON APPLICATION INSTRUCTIONS - READY TO USE – No dilution necessary.**

<b>Apply To:</b>	<b>Target Pests</b>	<b>Application Instructions</b>
Beef Cattle and Calves	Chewing and Sucking Lice, Horn Flies, Stable Flies, Horse Flies, Deer Flies	Apply 0.1 fl. oz. (3 ml) of RF2301 LPD PO per 100 lbs. body wt. of cattle. This is equivalent to 1 fl. oz. (30 ml) per 1,000 lb animal. Pour correct dose along back directly from tip and measure container, graduated applicator gun or ladle/dipper. Keep away from eyes and mucous membranes of the animal being treated. RF2301 LPD PO is not recommended for use on veal calves.

Special Note: This product is not effective in controlling cattle grubs, and can be used any time of year without risk of host-parasite reactions associated with grub treatment products.

Use this product in an integrated pest management system which may involve repeat treatments and the use of other pest control practices.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool, dry and secure area. Store in original sealed container away from food or feed. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL: [Nonrefillable Container (5 gallons or less)]** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. **[Nonrefillable Container (greater than 5 gallons)]** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

For information or in case of an emergency, call 1-800-347-8272. Visit our Web site: [www.starbarproducts.com](http://www.starbarproducts.com)

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this Product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Central Garden & Pet Company or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Central Garden & Pet Company and Seller harmless for any claims relating to such factors.

Central Garden & Pet Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Central Garden & Pet Company, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, **CENTRAL GARDEN & PET COMPANY MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

In no event shall Central Garden & Pet Company or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. To the extent consistent with applicable law, **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF CENTRAL GARDEN & PET COMPANY AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF CENTRAL GARDEN & PET COMPANY OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Central Garden & Pet Company and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Central Garden & Pet Company.

**Inhibidor and Starbar are trademarks of Wellmark International.** Central Garden & Pet is a trademark of Central Garden & Pet Company.

**[Manufactured for]:**

Central Garden & Pet Company  
1501 East Woodfield Road 200W  
Schaumburg, IL 60173  
[URL]