



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 7, 2022

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

Subject: Label Amendment – Addition of USDA BioPreferred Logo  
Product Name: RF2234  
EPA Registration Number: 89459-94  
Application Date: November 11, 2020  
Decision Number: 569744

Dear Ms. Sanfilippo:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Jennifer Gaines by phone at (202) 566-2685, or via email at [gaines.jennifer@epa.gov](mailto:gaines.jennifer@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Elizabeth Fertich". The signature is cursive and somewhat stylized, with the first name being more prominent.

Elizabeth Fertich  
Product Manager 4  
Invertebrate-Vertebrate Branch 1  
Registration Division  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

03/07/2022

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 89459-94

**HYDRAMETHYLNON | GROUP 20 | INSECTICIDE**

**[FRONT LABEL]  
RF2234**

**Alternate brand name: Lava-Lor Granular Bait**

Kills cockroaches [American\*, German and Oriental cockroaches], crickets, silverfish, firebrats, earwigs, and ants\*\* (\*\*excluding carpenter, fire, harvester and pharaoh ants)

For indoor and outdoor use [for control of listed insects]

For use in and around [structures][warehouses][residential areas][homes][apartments][restaurants] [commercial areas][public areas] [public buildings][government areas][government buildings] [institutional buildings][institutional areas][research facilities][golf courses][parks][recreational areas][sports areas][athletic fields]

For use in food processing and handling establishments

Ready-To-Use [insect][granular][bait]

Outdoor broadcast [and] [band] use [application(s)]

Crack and crevice [use][application(s)]

Sewer [use][application(s)]

Turf\*\*\* [use][application(s)]

Perimeter use

For use in refillable tamper-resistant bait stations

For use in and around livestock in accessible areas of Confined Animal Feeding Operations [CAFO]

\*May take longer to kill American cockroaches as compared to German or Oriental cockroaches.

\*\*\*Except in California

**ACTIVE INGREDIENTS:**

Hydramethylnon.....1.0%  
Imidacloprid.....0.5%

**OTHER INGREDIENTS:**.....98.5%

**TOTAL:** 100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See back panel for additional Precautionary Statements

**PRECAUCION AL USUARIO:** Se usted no puede leer o entender ingles, no use este product hasa que la etiqueta le haya sido explicada ampliamente. (TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

NET WT: lbs. (kg.)  
EPA Reg. No. 89459-94  
EPA Est. No.  
Lot Number:



This mark is not an indication of safety. Read and follow all label instructions.

[BACK LABEL]

## PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

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.</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. You may also contact 800-248-7763 for emergency medical treatment information.	

**[Personal Protective Equipment (PPE):** There are no specific PPE requirements for applicators or handlers of this product. Wearing at a minimum short-sleeved shirt, long pants, waterproof gloves, shoes and socks is recommended.]

## ENVIRONMENTAL HAZARDS

This pesticide 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. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

## DIRECTIONS FOR USE

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

Read entire label before using this product.

For resistance management, RF2234 contains a Group 20 insecticide. Any insect population may contain individuals naturally resistant to RF2234 and other Group 20 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed. To delay insecticide resistance, take the following steps:

- Rotate the use of RF2234 or other Group 20 insecticides within a growing season, or among growing seasons with different groups that control the same pests.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, 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 special or certified crop advisors 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 1-800-248-7763.

RF2234 [Lava-Lor Granular Bait] is intended to kill cockroach pest species, including German, American,\* and Oriental cockroaches.

\*May take longer to kill American cockroaches as compared to German or Oriental cockroaches.

Note: Presence of alternate food sources will reduce effectiveness of the bait. To achieve more effective kill, clean area and eliminate alternate food sources before application. **Wash hands with soap and water promptly after use.**

### **USE RESTRICTIONS**

**FOR ALL GRANULAR APPLICATIONS:**

Keep people and pets out of the area during application.

**FOR ALL OUTDOOR BROADCAST APPLICATIONS:**

Apply no more than 4 times per year as an outdoor broadcast application

Minimum retreatment interval: 30 days

**FOR ALL OUTDOOR APPLICATIONS**

Avoid making applications if it is likely to rain within 24 hours of application, except when applying directly adjacent to a structure that is permanently protected from rainfall by a covering, overhang, awning, or other structure.

Avoid applying granules to impervious surfaces, except as a crack-and-crevice treatment.

**For use in and around the following areas: Homes, Apartment Buildings, Stores, Restaurants, Warehouses, Government Offices, Public Buildings and Institutions, and Research Facilities.**

Apply bait only in locations inaccessible to children and pets, such as in cracks and crevices, or in tamper-resistant bait stations. Do not apply to animals. Do not treat portions of buildings where animals can feed on bait. Apply up to 0.5 oz per crack, crevice, void, or bait station up to 4 to 6 oz of bait per 1,000 sq ft. For other surfaces inaccessible to children and pets, apply bait lightly to floors near baseboards, in closets, under sinks, refrigerators and other appliances, vending machines, drop ceilings, wall voids, pipe chases, electrical conduits, around drains, elevator pits, around and inside garbage cans and in other areas where listed insects or their signs are found. Use approximately 4 to 6 ounces of bait per 1,000 sq ft of space and scatter lightly so that bait is barely visible. Bait may be broadcast in unfinished attics, basements and crawlspaces. Replace bait as it is consumed.

**For use in the following areas: Restaurants (food areas), Poultry Packing, Red Meat Packing and Food Processing Plants, including Plants that are Federally Inspected, as well as Food Processing Areas of Stores, Warehouses, Government Offices, Public Buildings and Institutions.**

Only apply bait in cracks, crevices and other inaccessible areas, or in tamper-resistant bait stations, or on paper, pasteboard, or other material that will permit removal. Locate these bait stations on window sills, on floors near walls, beams, around doors and other entry points, support structures, walkways, garbage chutes/bins, refuse containers in storage areas and other areas where insects have been observed. Maintain strict account of location and number of bait stations. Do not apply bait to any surface where food is stored, prepared, or served. Do not apply bait in edible product areas until operations have ceased for the day. Remove all bait stations from the edible products areas before resuming operations. Do not store RF2234 in or around such processing plants.

**For Outdoor Use Around Patios, Driveways, Sidewalks and Foundations Only:** Apply bait evenly in a band 2 to 3 feet wide around foundations, patios, driveways or sidewalks at the rate of 4 to 6 oz per 1,000 sq ft of infested area, taking care to treat any cracks or crevices. Also treat beneath concrete drain splashpans.

**Turf\*\*\* Application:** Use a shaker container or mechanical spreader to apply bait evenly over the infested area at a rate of 4 to 6 oz per 1,000 square feet or 10-15 lbs per acre. Do not “water-in” the bait. For best results with mole crickets, irrigate the treatment area prior to applying bait, and make bait applications late in the day. Mole crickets come up to the surface to feed after dusk.

**Sewer Application:** Apply bait around manhole covers and on ledges inside sewers at a rate of 1 oz per 100 square feet.

**For Use in and Around Confined Animal Feeding Operations (Cattle barns, horse barns, poultry houses, swine houses, dairies, the outside of milking parlors, poultry broiler and caged layer operations (including runs and pits), livestock feed lots, stables, kennels, and other animal-rearing facilities):** Apply bait only in locations inaccessible to livestock, children and pets, such as in cracks and crevices, or in tamper-resistant bait stations. Do not apply to animals. Do not use inside milking parlors. Do not contaminate food or feed with bait. Do not treat portions of buildings where animals can feed on bait. Apply up to 0.5 oz per crack, crevice, void, or bait station at a rate of up to 4 to 6 oz of bait pr 1,000 sq ft. For other surfaces inaccessible to livestock, children and pets, apply bait lightly to floors along walls, entranceways, walkways in caged layer houses and swine barns, in closets and non-food storage areas, under sinks, refrigerators and other machinery, wall voids, pipe chases, electrical conduits, around drains, along walls and supports in caged layer pits, around and inside garbage cans and in other areas where insects or their signs are found. Use approximately 4 to 6 ounces of bait per 1,000 sq ft of space and scatter lightly so that bait is barely visible. Bait may be broadcast in unfinished attics, basements and crawlspaces where children do not have access. Replace bait as it is consumed.

**Perimeter use around the outside of these sites:** Apply bait evenly in a band 2 to 3 feet wide at the rate of 4 to 6 oz per 1,000 sq ft of infested area around foundations, patios, driveways or sidewalks, taking care to treat any cracks or crevices. Also treat beneath concrete drain splashpans.

\*\*\* Except in California

## **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. **Pesticide Storage:** Store the product in a dry, cool place not reachable by children. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Handling:** Nonrefillable container. Do not reuse or refill this container. Empty container by tapping sides to apply contents as directed in the Directions for Use. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

For information, call 1-800-247-7763 or visit our Web site: [www.zoecon.com](http://www.zoecon.com)

Seller warrants that this product conforms to the chemical specifications expressed on the label. To the extent consistent with applicable law, Seller makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, seller's liability for default, breach, or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

[Manufactured for:]  
Central Garden & Pet Company  
1501 East Woodfield Road 200W  
Schaumburg, Illinois 60173