



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

June 27, 2024

Jeffrey Nelson  
Regulatory Analyst  
McLaughlin Gormley King Company  
7325 Aspen Lane N  
Minneapolis, MN 55428

Subject: Label Amendment – Add directions to use for goats and kids  
Product Name: Permethrin 7.4% Synergized  
EPA Registration Number: 1021-1841  
Application Date: 03/21/2023  
Case Number: 479230

Dear Mr. Nelson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), 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 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.

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 with FIFRA section 6.

If you have any questions, please contact Jamey Shuler by phone at (202) 566-2898, or via email at [Shuler.Jamey@epa.gov](mailto:Shuler.Jamey@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Elizabeth Fertich". The signature is fluid and cursive, with the first name "Elizabeth" and last name "Fertich" clearly distinguishable.

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

Enclosure

# Permethrin 7.4% Synergized

Controls lice and flies on beef cattle, lactating and non-lactating dairy cattle and calves when applied as a pour-on, mist spray or back rubber.

Controls Keds on sheep, lambs, [goats and kids] when applied as a pour-on.

Controls flies on horses when applied as a wipe-on, pour-on or ready to use spray.

## ACTIVE INGREDIENTS:

* Permethrin .....	7.40%
** Piperonyl Butoxide .....	7.40%
***OTHER INGREDIENTS .....	85.20%
	100.00%

\* (3-Phenoxyphenyl) methyl (+ or -) cis-trans-3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate). Cis-trans isomers ratio: Min. 45% (+ or -) cis and Max. 55% (+ or -) trans

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

\*\*\* Contains petroleum distillates

**ACCEPTED**

**06/27/2024**

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 1021-1841

## KEEP OUT OF REACH OF CHILDREN CAUTION

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 eyes.</li><li>Call a poison control center or doctor for treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate. Vomiting may cause aspiration pneumonia hazard.	
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 1-888-740-8712.	

Manufactured by  
  
7325 Aspen Lane North  
Minneapolis, MN 55428

EPA Reg. No. 1021-1841

EPA Est. No. 1021-MN-2

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

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Contains Petroleum Distillate. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators (except for handheld foggers or fog/mist generator used in indoor spaces), and other handlers must wear the following:

- Long-sleeved shirt,
- Long pants,
- Shoes and socks,
- Chemical-resistant gloves for all handlers except for applicators, made of barrier laminate, nitrile rubber, neoprene rubber, or Viton,
- Chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate and for handlers performing animal dip applications.

In addition to the above PPE, applicators using handheld foggers or fog/mist generators in indoor spaces must wear:

- Coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical-resistant footwear plus socks,
- Chemical-resistant headgear, if overhead exposure, and,
- A half-face, full-face, or hood-style NIOSH-approved respirator with
- A dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C, or
- A canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- A cartridge or canister with any N, R, P or HE filter.

#### 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 (except as required by directions for use) or heavily contaminated with this product concentrate. Do not reuse them.

#### USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should 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 pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas, drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

Under some conditions, it may also have a potential for transport into surface water in runoff (primarily adsorbed to suspended soil particles), for several months or more after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently, flooded areas, and areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlying tile drainage system that drain to surface waters. To protect the environment, do not allow pesticide to enter or runoff into storm drains, drainage ditches, gutters or surface waters. 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. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

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

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### DIRECTIONS FOR USE

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

#### USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not contaminate food or feedstuffs.
- Do not use in aircraft cabins.
- This product is not for use in residential misting systems (indoor or outdoor).
- This product is not for use in metered release misting systems.
- Do not make applications with a sponge.
- Do not water treated area to the point of runoff.
- Do not use this product directly on domestic (companion) animals (dogs, cats, puppies, or kittens).
- Except when applying to livestock, do not enter or allow others to enter treated area until sprays have dried.
- Except when applying to livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying to livestock, only protected handlers may be in the area during application.
- Do not use in food/feed areas of food handling establishments, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where food is served, such as dining rooms, but excluding areas where foods may be prepared or held.
- Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- All outdoor applications must be limited to spot or crack and crevice treatments only, except for the following permitted uses: (1) Treatment of soil or vegetation around structures; (2) Applications to lawns, turf, and other vegetation; and (3) Applications to building foundations, up to a maximum height of 3 feet. Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches, and structural surfaces (such as window, doors, and eaves) are limited to spot and crack and crevice applications, only.
- Application of this product is prohibited directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.
- Remove pets birds, and cover fish aquariums and ornamental fish ponds before spraying, and turn aquarium systems off prior to use.

**IMPORTANT:** This is a highly concentrated formulation. Use only with an accurate measuring container or applicator.

**READY TO USE** - No dilution necessary except for back rubber devices.

APPLY TO:	TARGET INSECTS:	APPLICATION INSTRUCTIONS:
Lactating and Non-lactating Dairy Cattle, Beef Cattle and Calves	Lice, Horn Flies, Face Flies.  Aids in control of Horse Flies, Stable Flies, House Flies, Mosquitoes, Black Flies and Ticks.  Controls Horn Flies up to 6 weeks after application.	<b>Dosage:</b> Apply 2 mL per 100 lbs. body weight of animal, up to a maximum of 20 mL for any one animal spray. <b>Pour-On:</b> Pour correct dose along back and down the face. <b>Ready-To-Use Spray:</b> Use undiluted in a mist sprayer to apply correct dose. Apply directly to neck, face, back, legs and ears. <b>Back Rubber Use:</b> Mix 64 mL (2.1 oz.) per gallon of mineral oil. Keep rubbing device charged. Results improved by daily forced use.

APPLY TO:	TARGET INSECTS:	APPLICATION INSTRUCTIONS:
Sheep and Lambs	Sheep Keds and Lice	<b>Pour On:</b> Pour along back. Apply one mL per 50 lb. body weight of animal, up to a maximum of 12 mL for any one animal. For optimum control, all animals in the flock should be treated after shearing.
Goats and Kids	Goat Keds and Lice	<b>Pour On:</b> Pour along back. Apply one (1) mL per 50 lb. body weight of animal, up to a maximum of 12 mL for any one animal. For optimum control, all animals in the tribe [herd] should be treated.
Horses and Foals	Stable Flies, Horn Flies, Face Flies, House Flies, Eye Gnats and Ticks.  Aids in control of Horse Flies, Mosquitoes and Black Flies.	<b>Wipe On:</b> Apply 8 mL to 16 mL as a wipe on. Dampen an applicator mitt, cloth or toweling (Turkish) with Permethrin 7.4% Synergized. Rub over hair with special attention to the legs, shoulders, neck and facial areas where flies tend to congregate. Be especially careful not to get in horses eyes. Repeat treatment as needed. <b>Ready-To-Use Spray:</b> Use Permethrin 7.4% Synergized after riding or exercise. Use undiluted in a mist sprayer, applying 8 mL to 16 mL per animal. Apply directly onto attached ticks. Repeat as needed.
Horses	Stable Flies, Horn Flies, Face Flies, House Flies, Eye Gnats and Ticks. Aids in control of Horse Flies, Mosquitoes and Black Flies.	<b>Pour On:</b> After riding or exercise, pour 8 mL to 16 mL of Permethrin Synergized along the back and down the face of <b>MATURE</b> horses, being careful to avoid the eyes. Do not use this method of application on foals. Repeat treatment as needed.

APPLY TO:	TARGET INSECTS:	APPLICATION INSTRUCTIONS:
Premises - In and around Horse, Beef, Dairy, Swine, Sheep, Goat & Poultry Premises, Animal Hospital Pens & Kennels and "outside" Meat Processing Premises	House Flies, Stable Flies, Face Flies, Gnats, Mosquitoes, Black Flies, Fleas, Little House Flies (Fannia spp.).  Aids in control of Cockroaches, Ants, Spiders and Crickets.	<b>Ready-To-Use Spot or Premise Spray:</b> Use undiluted in a mist sprayer. Apply directly to surface to leave a residual insecticidal coating, paying particular attention to areas where insects crawl or alight.  500 mL will treat approximately 7,200 square feet.

For cattle, sheep, and goats repeat treatment as needed, but not more than once every two weeks. For optimum lice control, two treatments at a 14-day interval are recommended.

Permethrin 7.4% Synergized is not effective in controlling cattle grubs.

Permethrin 7.4% Synergized is an oil-base, ready-to-use product that may leave an oily appearance on the hair coat of some animals.

Permethrin 7.4% Synergized should be used 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 and disposal.

### PESTICIDE STORAGE

Store in a cool, dry (preferably locked) place in an area that is inaccessible to children and animals. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dry formulations above.

### PESTICIDE DISPOSAL

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

### CONTAINER HANDLING:

[Non-refillable container. Do not reuse or refill this container.]

[For containers with capacities equal to or less than 5 gallons (18.9 L)]: 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 diluent 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 for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

[For containers with capacities greater than 5 gallons (18.9 L)]: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with diluent. Replace and tighten closers. Tip the 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. 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.]

[Or for refillable containers]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with diluent. Agitate vigorously or recirculate diluent with the pump for 2 minutes. Pour or pump rinsate into rinsate collection system. Repeat this rinsing 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.

[For totes/55 gal containers]

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Offer for recycling if available for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.