



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

June 3, 2025

Jeremy Malone
Agent for Dairy Solutions, Inc.
Spring Regulatory Sciences
6620 Cypresswood Drive
Suite 250
Spring, TX 77379

Subject: Label Amendment - Registration Review Mitigation for Permethrin
Product Name: KATTEGUARD 2.0
EPA Registration Number: 73103-5
Application Date: February 1, 2021
Decision Number: 570457
Case Number: 00477652

Dear Jeremy Malone:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Permethrin 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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. 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 12 months from the date of this letter. After 12 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.

If you have any questions about this letter, please contact Anna Senninger by phone at 202-566-2216, or via email at Senninger.Anna@epa.gov.

Sincerely,

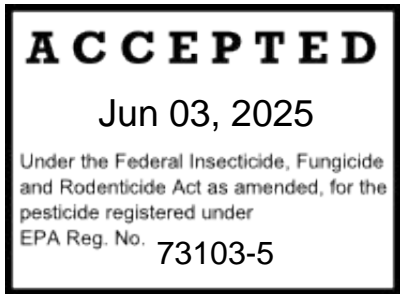
A handwritten signature in blue ink that reads "Dana L. Friedman". The signature is fluid and cursive, with the first name "Dana" and last name "Friedman" clearly legible.

Dana L. Friedman, Chief
Risk Management and Implementation Branch 1
Pesticide Re-Evaluation Division
Office of Pesticide Programs
U.S. Environmental Protection Agency

ENCLOSURE: Stamped label

Permethrin	GROUP	3A	INSECTICIDE
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[Denotes Optional Text]
 {Denotes Notes to EPA Reviewer}
 {EPA MASTER Label – Kattleguard 2.0; Label updated ,20250320}



KATTEGUARD 2.0

Kills Fleas & Lice, Also Kills Flies & Mosquitoes
 Insecticide for Cattle, Sheep* and Their Premises, Can be Used on Lactating Dairy Cattle
 Synergized Formula for Effective Control
 Ready-To-Use as a Pour-On, Spray or Mist – or mix for Back-Rubber use
 POUR ON – SPRAY – MIST – BACK RUBBER – PREMISE

ACTIVE INGREDIENTS:

- ** Permethrin (3-Phenoxyphenyl) methyl (+ or -)-cis-trans-3-(2, 2-dichloroethenyl)-2, 2-dimethylcyclopropanecarboxylate) 2.00%
- *** Piperonyl Butoxide Technical 2.00%
- **** OTHER INGREDIENTS 96.00%
- 100.00%
- ** Cis-trans isomers ratio: Min. 35% (+ or -) cis and max. 65% (+ or-) trans
- *** Equivalent to Min. 0.8% butylcarbityl (6-propylpiperonyl) ether and 0.2% related compounds
- **** Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> 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.
IF ON SKIN	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment.
IF IN EYES	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

	<ul style="list-style-type: none"> • Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard. Contains petroleum distillate.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-740-8712 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Contains petroleum distillate. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Avoid breathing spray mist. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear protective eyewear. Wear: Long-sleeved shirt and long pants, socks, shoes and gloves made of waterproof material. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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. 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 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. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

This product may contaminate water through run-off. This product has a potential for run-off for several months or more after application. Poorly draining soils and soils with shallow water tables are prone to produce run-off that contains the product. 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 pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply the product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

NET CONTENTS 55 GALLONS

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. For outdoor use only.

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not contaminate food or feed stuffs.
- Do not make applications with a sponge.
- Do not breathe spray mist.
- 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.
- 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, do not enter or allow others to enter treated area until sprays have dried.
- Except when applying to livestock, only protected handlers may be in the area during application.
- Remove or cover exposed food/feed and drinking water before application.
- When used in milking parlors or tank rooms: 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.
- Remove pets, birds, and cover fish aquariums and ornamental fish ponds before spraying, and turn aquarium systems off prior to use.
- Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or 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.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- Do not apply or irrigate to the point of runoff.

READY TO USE – No dilution necessary.

All outdoor spray applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- 1) Application to pervious surfaces such as soil, lawn, turf, and other vegetation;

- 2) Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch or lawn);
- 2) Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhand, awning, or other structure;
- 3) Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
- 4) Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level;
- 5) Applications to vertical surfaces directly above pervious surfaces, such as soil, lawn, turf, mulch or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.

Spot treatments must not exceed two square feet in size (e.g., 2 ft x 1 ft or 4 ft x 0.5 ft.) Treat surfaces to ensure thorough coverage but avoid runoff. To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

Do not make outdoor 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.

SPRAY DRIFT ADVISORIES

Handheld Technology Applications: Take precautions to minimize spray drift.

For resistance management, this product contains a Group 3A insecticide. Any insect/mite population may contain individuals naturally resistant to this product and other Group 3A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly on the same livestock. Appropriate resistance-management strategies should be followed. To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 3A insecticides/acaricides within a season with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues 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 rates at which they 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.
- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- 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/acaricides 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 or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.

{Option 1 – Use directions in table format}

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 and Black Flies	DOSAGE: Apply ¼ fl. oz. (7.5cc) per 100 lbs. body wt. of animal up to a maximum of 2.5 fl. oz. for any one animal. POUR ON: Pour correct dose along back and down face. READY TO USE SPRAY: Use undiluted in a mist sprayer to apply correct dose. To enhance even application, the correct dose may be mixed with a suitable solvent such as mineral oil or water. Apply directly to neck, face, back, legs and ears. BACK RUBBER USE: Mix ½ pint per gallon #2 diesel or mineral oil. Keep rubbing device charged. Results improved by daily forced use.
Sheep*	Sheep Keds*, Lice*	Pour along back. Apply 1/8 fl. oz. (3.75cc) per 50 lbs. body wt. of animal, up to a maximum of 3 fl. oz. for any one animal. For optimum control, all animals in the flock should be treated after shearing.

Premises – in and around Horse, Beef, Dairy, Swine, Sheep and Poultry premises. Animal Hospital Pens and Kennels and “outside” Meat Processing Premises.	House Flies, Stable Flies, Face Flies, Gnats, Mosquitoes, Black Flies, Fleas, Little House Flies (<i>Fannia</i> spp). Aid in control of cockroaches, ants, spiders, and crickets.	For use as a ready-to-use spot spray or premise spray, use undiluted in a mist sprayer. Apply directly to surface to leave a residual insecticide coating, paying particular attention to areas where insects crawl or alight. One gallon will treat approximately 14,600 square feet.
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{Option 2 – Use directions in paragraph format}

APPLICATION INSTRUCTIONS: Apply ¼ fluid ounce per 100 pounds body weight of animal, up to a maximum of 2.5 fluid ounces for any one animal to kill Lice Horn Flies and Face Flies. Aids in insecticidal control of Horse Flies, Stable Flies, Mosquitoes, and Black Flies on lactating and nonlactating dairy cattle, beef cattle, calves, and sheep. For sheep, apply 1/8 fluid ounce per 50 pounds body weight of animal, up to a maximum of 1.5 fluid ounces for any one animal. **Pour-On:** Pour along back line and down face. For Keds *on sheep*, pour along back line over neck, shoulders, and rump. **Ready-To-Use Spray:** Use undiluted in a mist sprayer to apply correct dose. Apply directly to neck, face, back, legs, and ears. For PourOn and Ready-To-Use Spray applications, repeat treatment as needed but do not exceed 2.5 fluid ounces for any one animal on cattle or 1.5 fluid ounces for any one animal on sheep during any 14-day interval. For optimum insecticidal effectiveness against lice, a second treatment at 14-day intervals is recommended. **Back Rubber Use:** Mix ½ pint per gallon #2 diesel or mineral oil. Keep rubbing device charged. For Back-Rubber applications, results are improved by daily forced use. For cattle and sheep, repeat treatment as needed, but not more often than once every two weeks. For optimum lice control, two treatments at a 14-day interval are recommended. Special Note: This product is not effective in controlling cattle grubs. This product is an oil-based, ready-to-use product that may leave an oily appearance on the hair coat of some animals.

*Not registered in the State of California for control of Sheep Keds and Lice on Sheep.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry area. Always store pesticides in the original container. Store away from food, pet food and feed.

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. Offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

DAIRY SOLUTIONS, INC.
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EPA Reg. No. 73103-5

EPA Est. No. _____