



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

July 8, 2025

Pete Stevenson
Senior Regulatory Advisor
tsg consulting for Intervet Inc D/B/A Merck Animal Health
1150 18th Street NW, Suite 475
Washington, DC 20036

Subject: Label Amendment - Registration Review Mitigation for Permethrin
Product Name: Atroban 42.5% EC
EPA Registration Number: 773-60
Application Date: 30 March 2021
Decision Number: 597094

Dear Pete Stevenson:

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.

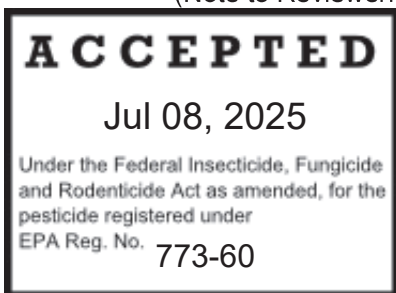
If you have any questions about this letter, please contact Kent Fothergill via email at fothergill.kent@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Dana L. Friedman". The signature is fluid and cursive, with the first name "Dana" being more prominent.

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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(MASTER LABEL)

RESTRICTED USE PESTICIDE

*Due to **Dermal Irritation.**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ATROBAN® 42.5%EC

(Alternate Brand Names: ATROBAN® 42.5% EC Insecticidal Spray)

Emulsifiable Concentrate Insecticidal Spray For Livestock and their premises

ACTIVE INGREDIENT:

Permethrin: 3-(phenoxyphenyl)methyl (±) cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate*	42.5%
OTHER INGREDIENTS	57.5%
	100.0%

*cis/trans ratio: Max. 55% (±) cis and min 45% (±) trans

This product contains xylene. Contains petroleum distillates.

This product contains 0.45 lbs (204 g) of permethrin per pint (473 mL)

DANGER KEEP OUT OF REACH OF CHILDREN

See [back] [other] [side] [panel] for additional precautionary statements.
[See booklet for First Aid and Directions for Use]

[Manufactured [by][for]:]

Intervet, Inc. (d/b/a Merck Animal Health)

126 E. Lincoln Avenue

Rahway, NJ 07065

EPA Reg. No. 773-60

EPA Est. No. [6175-LA-1]

Net Contents: [One U.S. Pint (473 mL)]

[UPC Code]

[Copyright XXXX]

[All rights reserved.]

[Rev. XXX]

(Note to Reviewer: [bracketed text] is optional or alternate wording; (parenthetical text) is informational.)

[Lot/Batch No.] (Note to reviewer: the lot or batch number may also be stamped directly on the product container.)

[Pull here to open] [Press to reseal]

FIRST AID	
IF ON SKIN OR CLOTHING	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 IN EYES	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 eye. Call a poison control center or doctor for treatment advice.
IF SWALLOWED	Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
IF INHALED	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 advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.	
Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: **DANGER:** Corrosive. Causes skin burns. Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear: Protective eyewear, Coveralls over long-sleeve shirt and long pants, chemical-resistant footwear plus socks, chemical-resistant gloves for all handlers, chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate.

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

User 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. User 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. To protect the environment do not allow pesticide to enter or run off 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 run off 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 AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For both indoor and outdoor use.

For resistance management, ATROBAN® 42.5% EC, contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to ATROBAN® 42.5%EC and other Group 3A 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/acaricide resistance, take the following steps:

Rotate the use of ATROBAN® 42.5%EC or other Group 3A insecticides with different groups that control the same pests.

Adopt an integrated pest management program for insecticide use that includes inspection of animals and/or premises, uses historical information related to pesticide use, record keeping, and which considers cultural, biological and other chemical control practices.

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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 Intervet, Inc. (d/b/a Merck Animal Health) at merck-animal-health.com.

USE RESTRICTIONS

Except when applying to livestock:

- Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.
- Only protected handlers may be in the area during application.
- Do not enter or allow or allow others to enter treated area until sprays have dried.
- Do not enter or allow other to enter treated area until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.

Do not breathe vapors or spray mist.

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 treated animals before milking.

Not for use in outdoor residential misting systems (indoor or outdoor).

Do not allow to enter indoor or outdoor drains (*No permita la entrada a desagues internos o externos*).

Dip Treatment Instructions: Charge dip vats with recommended application concentration by using quantities of ATROBAN® 42.5% EC and clean water as directed below. Mix thoroughly before each use. Dip to thoroughly wet animals to ensure complete coverage.

Spray Treatment Instructions: For all sprays intended for direct application to animals and building surfaces, add ATROBAN® 42.5% EC to clean water as directed below, mix thoroughly and apply as a coarse spray. Spray lactating dairy cows *only* after milking is completed.

APPLICATIONS

The use of ATROBAN® 42.5% EC requires no withdrawal period between last application and slaughter.

For Control of Horn Flies on Beef, Dairy Cattle (Lactating and Non-Lactating), and Horses: Dilute ATROBAN® 42.5% EC with clean water at a ratio of 1:1600 (1/2 pint/100 gal). A 1:1600 dilution gives a 0.027% permethrin concentration. Apply sufficient spray (approximately 1 qt/animal) or dip to thoroughly wet animals to ensure complete coverage. Repeat applications as needed but not more often than once every 2 weeks.

For Control of Horn flies, Face flies, Stable flies, House flies, Horse flies, Mosquitoes, and Lice on Beef, Dairy cattle (Lactating and Non-Lactating), Sheep,

Goats and Horses: Dilute ATROBAN® 42.5% EC with clean water at a ratio of 1:800 (1 pint/100 gal). A 1:800 dilution gives a 0.054% permethrin concentration. Apply sufficient spray (approximately 2qts/animal) or dip to thoroughly wet animals to ensure complete coverage. Repeat applications as needed but not more often than once every 2 weeks.

For Control of Ticks (including the genera *Boophilus* spp., *Amblyomma*, *Dermacentor*, and *Rhipicephalus*), Chorioptic mites, and Psoroptic (Scabies) mites on Beef, Dairy Cattle (Lactating and Non-Lactating), Sheep, Goats, and Horses: Dilute ATROBAN® 42.5% EC with clean water at a ratio of 1:800 (1 pint/100 gal). A 1:800 dilution gives a 0.054% concentration. Apply sufficient spray (approximately 2 qts/animal) or dip to thoroughly wet animals to ensure complete coverage. Repeat applications as needed but not more often than once every 10 to 14 days.

For Control of Northern fowl mites and Lice on Poultry in Cages or Houses: Dilute ATROBAN® 42.5% EC with clean water at a ratio of 1:800 (1/4 pint/25 gal). A 1:800 dilution gives a 0.054% permethrin concentration. Apply sufficient spray (approximately 1 gal/100 birds). One application should control an infestation. Do not treat more often than once every 2 weeks and do not apply more than four treatments.

For Control of Hog lice on Swine: Dilute ATROBAN® 42.5% EC with clean water at a ratio of 1:800 (1/4 pint/25 gal). A 1:800 dilution gives a 0.054% permethrin concentration. Apply sufficient spray to thoroughly wet animals to ensure complete coverage (approximately 1 pint/animal). One application should control an infestation. Do not treat swine 5 days prior to slaughter.

For Control of Mange mites on Swine: Dilute ATROBAN® 42.5% EC with clean water at a ratio of 1:400 (1/4 pint/12½ gal). A 1:400 dilution gives a 0.108% permethrin concentration. Apply sufficient spray to thoroughly wet animals to ensure complete coverage (approximately 1 pint/animal). Repeat application in 14 days. Do not treat swine 5 days prior to slaughter.

For use in and around Horse, Beef, Dairy, Swine, Sheep, and Poultry Premises and Outside Meat Processing Premises for Control of House flies, Stable flies, and Little House flies (*Fannia* spp.). NOTE: This product is not recommended for use on vinyl or plastic surfaces. Dilute ATROBAN® 42.5% EC with clean water at a ratio of 1:320 (1/4 pint/10 gal). A 1:320 dilution gives a 0.128% permethrin concentration. For small amounts of finished spray, mix 1½ teaspoonfuls in a gallon of water. Apply finished spray to surfaces where flies rest at the rate of one gallon per 750-1000 sq ft, but do not allow runoff to occur. Timing and frequency of application should be based upon flies reaching nuisance levels, but not more often than once every 2 weeks. If, under conditions of heavy fly pressure, longer residual control is desired, it is permissible to double the above concentration for premise application. Do not apply dilution for premise treatment directly on livestock or poultry. Ensure that animals' feed and water are not contaminated by spray drift. Do not use in milk rooms. 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-

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made structure to pervious surfaces (e.g. soil, mulch, or lawn); 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; and 5) Applications to vertical surfaces directly above pervious surface (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 (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).

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. Treat surfaces to ensure thorough coverage but avoid runoff.

Do not allow the product to enter any drain during or after application. 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.

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 spray 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.

SPRAY DRIFT ADVISORIES **Handheld Technology Applications:** Take precautions to minimize spray drift.

STORAGE AND DISPOSAL

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

STORAGE: Store in cool, dry place.

PESTICIDE DISPOSAL: Pesticides wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.



[Optional Warranty Statement

NOTICE OF WARRANTY

To the extent consistent with applicable law, Intervet, Inc./Merck Animal Health makes no warranty of merchantability, fitness for any particular purpose or otherwise, expressed or implied, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.]

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Optional Marketing claims, pictograms, and product information
(May be presented on the container or supplemental labeling)

- Insecticidal Spray
- Made in the USA
- Merck Animal Health and/or Intervet Logo
- Treats 800 550 lb Head of Cattle based on horn fly dosage
- Pictures of Application Methods, Use Sites, and Target Pests
- Spray, Premises icons