



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 8, 2018

Sarah Fobes
Athea Laboratories, Inc.
1900 West Cornell Street
Milwaukee, WI 53209

Subject: Amended Reregistration Label
Product Name: PERMICIDE 2.5% CONCENTRATE
EPA Registration Number: 10088-110
Decision Number: 413841

Dear Ms. Fobes:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Permethrin RED, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

NOTE: This product is **not** yet being reregistered under section 4(g) of FIFRA.

Please note that the record for this product currently contains the Confidential Statement of Formulation (CSF) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated 12/22/2010

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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment or the next printing of the label, whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label 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.

Page 2 of 2
EPA Reg. No. 10088-110
Decision No. 413841

If you have any questions about this letter, please contact Maggie Rudick by phone at 703-347-0257, or via email at rudick.maggie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'EF' followed by a flourish and the word 'for'.

Elizabeth Fertich, Product Manager 4
Invertebrate and Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

{Note to Reviewer:

Items in brackets [] are optional language that may or may not appear.

Brackets inside of chevrons indicate that one of the options listed will appear on the label: <[A] [B]>

Items in braces { } are notes to the reviewer that will not appear on final label}

{Page 1 of 5}

PERMICHIDE 2.5% CONCENTRATE

{Note: Capitalization and formatting of the following optional marketing language may vary.}

[For Use on [Residential Lawns,] [Gardens,] [Patios] [and] [Home Picnic Areas]]].

[Controls Listed Pests For Up To 4 Weeks]].

[Water Based Formula]].

[Kills Bugs on Your [Lawns] [*] [Trees] [and] [Shrubs] [*] [Roses] [and] [Flowers]]

[Kills [Gnats][,] [Fleas][,] [Deer] [Ticks][,] [Brown Dog Ticks][,] [Bedbugs] [and] [Other Crawling Insects]]].

[Repels Crawling Insects [from your Home Recreation Areas]]].

[[Contains Permethrin, a long lasting insecticide] [that provides [contact] [and] [residual] control [for up to 4 weeks] [of] [many] [hard-to-kill sucking] [and] [chewing] insects]]].

Active Ingredient:

*Permethrin 2.50%

Other Ingredients: 97.50%

Total: 100.00%

*(3-phenoxyphenyl) methyl (±) cis/trans 3-(2,2-dichloroethyl) 2,2-dimethylcyclopropanecarboxylate. Cis/trans ratio: min. 35% (±) cis and max 65% (±) trans.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See <[side] [back]> panel[s] for additional Precautionary Statements.

EPA Reg. No. 10088-110

EPA Est. {Est. number inserted here}

Net Contents: {Net contents inserted here, expressed in gallons/ounces with the option to add the metric equivalent}

Manufactured By:

ATHEA LABORATORIES INC

PO BOX 240014

MILWAUKEE, WI 53224

A C C E P T E D

03/08/2018

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

EPA Reg. No. 10088-110

{Note to Reviewer:

Items in brackets [] are optional language that may or may not appear.

Brackets inside of chevrons indicate that one of the options listed will appear on the label: <[A] [B]>

Items in braces { } are notes to the reviewer that will not appear on final label}

{Page 2 of 5}

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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 SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call your poison control center at 1-800-222-1222.

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 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.

Shake well before use.

This product helps control many annoying and troublesome outdoor insects. You can help protect your property by controlling the insects listed on this label.

This product can be applied using a hose-end sprayer, pump up pressure sprayer or by watering can. Carefully dilute the recommended amount of concentrate and water according to the directions found under the desired insect to control. Use a clean sprayer. Apply insecticide when insects first appear and repeat as necessary, but not more frequently than every 3 days. Flush sprayer or watering can with clean water after each use.

This product kills many troublesome outdoor insects, which destroy lawns, gardens, and are an annoyance on patios and at picnics.

USE RESTRICTIONS

Do not spray animals. Do not allow adults, children, or pets to enter treated areas until sprays have dried. Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift. Remove pets, birds, and cover fish aquariums before spraying. All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: (1) Treatment to soil or vegetation around structures; (2) Applications to lawns, turf, and other vegetation; (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 windows, doors, and eaves) are limited to spot and crack-and-crevice applications, only. Do not water the treated area to the point of run-off. Do not make applications during rain. Not for broadcast use on indoor residential surfaces.

Do not apply directly into 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.

Not for use in outdoor residential misting systems.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climactic modification and being grown in interior landscapes, ornamental gardens or parks, or on lawns and grounds.

APPLICATION INSTRUCTIONS

USE ON LAWNS: Bent, Bermuda, Bluegrass, Dichondra, Fescue, Irish Moss, Merlon and St. Augustine.

Pests: Ants, Armyworms, Brown Dog Ticks, Chinch Bugs, Crickets, Cutworms, Deer Ticks, Fleas, Grasshoppers, Japanese Beetles Grubs, Mole Crickets and Sod Webworms.

Thoroughly wet down grass a few hours before applying, but not to the point of runoff. Home lawns should be no taller than 3 inches at time of application. Slightly more water may be used as long as the amount of product per area is as listed below. For heavy infestations, repeat application after 2 weeks. For ants, crickets and grasshoppers use 2-fl. oz. in 3 gallons of water to cover 1,000 sq. ft. For other listed insects, use 6 fl. oz. in 10 gallons of water to cover 1,000 sq. ft.

USE ON TREES AND SHRUBS: Arizona Cypress, Azalea, Birch, Non-Bearing Citrus, Conifers, Elm, English Ivy, Euonymus, Weeping Fig, Fir, Honeysuckle, Lilac, Mock-Orange, Oak, Palm, Philodendron, Pine, Poinsettia, Tulip Poplar, Rhododendron, Taxus.

Pests: Aphids, Bagworms, Cicadas, Exposed Thrips, Fall Cankerworms, Inchworms, Leafminers, Mealybugs, Spider Mites, Whiteflies. Fall Webworms on Cherry and Honeysuckle, Budworms on Conifer, Elm Leaf Beetles, Elm Spanworms and Fall Webworms on Elms, Tussock Moths on Douglas and Grand Firs, Citrus Black Flies on Non-Bearing Citrus, Oakworms on Oaks, Pine Beetles, Pine Moths, Pine Needleminers, and Needle Scales on Pines.

Use 1 fl. oz. in 1 gallon of water. Apply as a spray, wetting leaves and branches thoroughly. Try to penetrate dense foliage. Spray in the late afternoon or evening, when the temperature ranges from 50 to 75°F and when there is little or no wind. Spray at the first sign of insects. Repeat as necessary every 4-8 days.

USE ON ROSES AND FLOWERS: Ageratum, Aster, Azalea, Begonia, Coleus, Common Ninebark and Snowberry, Exacum, Gladiolus, Gold Bells, Hypoestes, Ivy, Lilac, Marigold, Mock-Orange, Nannyberry, Orchid, Pansy, Pea Shrub, Petunia, Poinsettia, Rhododendron, Rose, Snapdragon, Zinnia.

{Note to Reviewer:

Items in brackets [] are optional language that may or may not appear.

Brackets inside of chevrons indicate that one of the options listed will appear on the label: <[A] [B]>

Items in braces { } are notes to the reviewer that will not appear on final label}

{Page 3 of 5}

Pests: Aphids, Bagworms, Cicadas, Exposed Thrips, Fall Cankerworm, Fall Webworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider Mites, and Whiteflies.

Use 1 fl. oz. in 1 gallon of water. Apply as a spray, wetting the plants thoroughly. Try to hit the underside of leaves and penetrate dense foliage. Spray in the later afternoon or evening, when the temperature ranges from 50 to 75°F and when there is little or no wind. Spray at the first sign of insects. Repeat as necessary every 4-8 days.

BARRIER SPRAY FOR NUISANCE PESTS: Including Ants, Clover Mites, Cluster Flies, Crickets, Earwigs, Fleas, Flying Moths, Gnats, House Flies, Millipedes, Mosquitoes, Pillbugs, Sowbugs, Spiders, Tent Caterpillars, Ticks (Brown Dog, Deer, Lone Star).

Use 6-2/3 fl. oz. in 1 quart of water, treating 400 linear feet with a 6-inch spray band.

Outside surfaces of buildings:

Pests: Ants, Clover Mites, Crickets, Earwigs, Millipedes, Pillbugs, Sowbugs.

To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, picnic areas, garages, refuse piles, and other areas where these pests congregate or have been seen. Repeat application may be needed if re-infestation occurs. Do not apply more frequently than every 3 days.

Other outside areas:

Pests: Ants, Crickets, Earwigs, Fleas, Spiders, Ticks (Brown Dog, Deer, Lone Star).

For treatment of localized infestations of these insects in areas where there are weeds, shrubs or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways, but do not wet to the point of runoff. Repeat application may be needed if re-infestation occurs. Do not apply more frequently than every 3 days.

Pests: Cluster Flies, Flying Moths, Gnats, House Flies, Mosquitoes.

For use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insect may enter the room. Also treat surfaces around light fixtures on porches, under patio furniture, in garages and other places where these insects alight or congregate. Repeat application may be needed if re-infestation occurs. Do not apply more frequently than every 3 days.

Pests: Tent Caterpillars.

Application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening, when caterpillars have returned to their tents. Wet tents with spray on all sides. A few caterpillars may be seen escaping from the tent, however, they should die within several hours.

TO CONTROL FLEAS (adults and larvae) AND TICKS, INCLUDING TICKS WHICH MAY CARRY LYME DISEASE (adults and larvae): Use 6-2/3 fl. oz. in 1 quart of water. Thoroughly spray infested areas, nearby cracks and crevices, along and behind baseboards, moldings, and window and door frames. Do not allow people or pets to enter treated areas until spray has dried.

TO CONTROL BEDBUGS: Use 6-2/3 fl. oz. in 1 quart of water. Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Allow all treated articles to dry thoroughly before use.

INDOOR HOUSE PLANTS: To protect plants in non-commercial greenhouses and lathhouses, and for indoor landscaping. Ageratum, Ardisia, Aster, Baby's Breath, Begonia, Birdsnest Fern, Bleeding Heart, Carnation, Chrysanthemum, Coleus, Crown of Thorns, Cockscomb, Cyclamen, Dracaena, Dumbcane, English Ivy, Fuchsia, Gladiolus, Grape Ivy, Hypoestes Ivy, Juniper, Lily, Marigold, Orchid, Palm, Pansy, Peperomia, Petunia, Philodendron, Piggy-Back Plant, Poinsettia, Portulaca, Pothos, Prayer Plant, Purple Passion, Rabbits Foot Fem, Rose, Schefflera, Snapdragon, Snake Plant, Statice, Velvet Plant, Verbena, Zinnia.

Pests: Aphids, Armyworms, Corn Earworms, Cutworms Cabbageworms, Exposed Thrips, Fall Cankerworms, Fungus Gnats, Inchworms, Japanese Beetles, Leafminers, Leafrollers, Mealybugs, Scales, Spider Mites, Springs Cankerworms, Whiteflies.

Use 1 fl. oz. in 1 gallon of water. Spray will act as contact and residual control. Use sufficient spray to obtain full coverage of all foliage. Adjust spray volume used to plant size. Spray directly on insects. If application is to be made indoors, remove infested plants from living areas prior to application. Spray plants in an area not likely to be occupied by people or pets (particularly fish bowls or tanks). When leaves dry, plants can be returned to original location. Do not use more product than recommended, as this may cause some plant injury. Use with care on Ferns, Palms and Fuchsia. As with all plants listed above, especially carnations, chrysanthemums, and roses, there exists a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, and check for possible injury. Repeat application may be necessary to control citrus blackflies on nonbearing citrus and adult Japanese beetles on roses.

PRODUCT WITH HOSE END SPRAYER ATTACHED: Make sure knob is twisted fully clockwise to OFF position. Shake well before attaching to hose. Turn Product Control Button clockwise until its point aligns with triangle, and then push all the way in. Avoid squeezing bottle. Turn water on at faucet, aim nozzle toward lawn and turn knob counter clockwise to begin spraying. When finished, push Product Control Button to OFF position from the opposite side. Return knob and faucet to OFF position. Discharge water pressure by turning knob ON and OFF again. Turn Product Control Button counter clockwise away from triangle to prevent accidental discharge. Store out of reach of children.

ADULT MOSQUITO CONTROL: [NOTE: NOT REGISTERED for use in automatic ULV misting systems in the State of {state(s) where not registered}.] Dilute 1 part of this product with 4 parts water. Apply as a fine mist to thoroughly treat the entire area. For best results, treat when the wind velocity does not exceed 5 miles per hour, but do not apply when wind speeds exceed 10 miles per hour. Treat shrubbery or vegetation where mosquitoes may rest. Apply diluted product at a rate of 2.5 pints per acre (0.9 ounce per 1000 sq. ft.). Using truck mounted conventional misting (Ultra Low Volume or ULV) equipment traveling at 5 mph to treat a 300 foot swath, calibrate equipment to deliver 0.95 gallons per minute. Under no conditions should open water be treated with this product. Not to be used within 100 feet (30 meters) of lakes and streams.

{Note to reviewer: The following dilution table is optional. Entire rows may be included or omitted.}

Automatic Misting System Dilution Chart

Dilution	System Tank Size (Gallons)	Amount of This Product	Amount of Water
0.09% Permethrin	30	1 gal. 2 fl. oz.	28 gal. 14 fl. oz.
	55	2 gal.	53 gal.
	125	4 gal. 8 fl. oz.	120 gal. 8 fl. oz.

{Note to Reviewer:

Items in brackets [] are optional language that may or may not appear.

Brackets inside of chevrons indicate that one of the options listed will appear on the label: <[A] [B]>

Items in braces { } are notes to the reviewer that will not appear on final label}

{Page 4 of 5}

	255	8 gal. 4 fl. oz.	216 gal. 12 fl. oz.
--	-----	------------------	---------------------

]

STORAGE AND DISPOSAL

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

Storage: Store in a dry place no lower in temperature than 50°F or higher than 120°F.

Pesticide Disposal: Pesticide 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.

<{For containers 5 gallons or less:}

[Container Handling: Nonrefillable container. Do not reuse or refill container. Offer for recycling, if available. Clean 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 1/4 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 procedure two more times.]

{For containers greater than 5 gallons:}

[Container Handling: Nonrefillable container. Do not reuse or refill container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill container 1/4 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 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.]>

{Note to Reviewer: Optional disclaimer language.}

[Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith.]

{Note to Reviewer:

Items in brackets [] are optional language that may or may not appear.

Brackets inside of chevrons indicate that one of the options listed will appear on the label: <[A] [B]>

Items in braces { } are notes to the reviewer that will not appear on final label}

{Note to Reviewer: One of the following logos may be used if the supplemental registrant has received an NSF listing. Logos will appear on back or side panel only.}



[NSF Listed]

{[6-Digit NSF Listing Number]}

{Note to Reviewer: Any of the following logos may be added if the supplemental registrant has received the appropriate certification from the relevant organization. Logos will appear on back or side panel only.}

