

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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JUN 26 1992

Dr. Leland Veith, DVM
Farnam Companies, Inc.
301 West Osborn
Phoenix, AZ 85013-3928

Dear Dr. Veith:

Subject: Amendment - Revised Labeling
Permethrin Multi-Purpose Residual Spray
EPA Registration No. 11715-227 (Formerly 270-232)
Your Letter Dated March 6, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes indicated below prior to release for shipment of product bearing the amended labeling.

1. Change the phrase, Non-Food Areas, to Non-Food/Feed Areas.
2. Change Active Ingredients to its singular form.
3. As indicated in our January 29, 1991 letter, delete the reference to fogging as a recommendation for maximum effectiveness, since this product is for surface and spot spraying only.

Submit five copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

		CONCURRENCES					
SYMBOL							
SURNAME	GG						
DATE	6/26/92						

PERMETHRIN MULTI-USE RESIDUAL SPRAY

Effective and Fast Acting

- * A Concentrated PERMANONE[®] Stable Emulsion
- * READY TO USE
- * For Use Outdoors and in Homes, Kennels, and Non-Food Areas of Food/Feed handling Establishments, Commercial Buildings, Warehouses, Theaters, Office Buildings, Schools, Motels, Hotels and Food/Feed Handling Establishments.
- * For Control of Fleas, Brown Dog Ticks and Lice on Premises and on Dogs
- * Controls Fleas and Ticks on Dogs for 35 Days
- * Aids in Control of Ticks on Dogs for an additional 2 Weeks

ACTIVE INGREDIENTS:

*Permethrin.....0.50%

INERT INGREDIENTS..... 99.50%
100.00%

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

PERMANONE-Registered Trademark of Fairfield American Corporation.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See rear panel for use cautions

DIRECTIONS FOR USE

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

APPROVED
with PERMETHRIN
by EPA Label No.

JUN 25 1992

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, the pesticide registered under F.F.A. No.

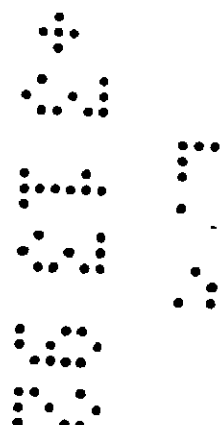
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SHAKE WELL BEFORE USING

NET CONTENTS: _____

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INDOOR APPLICATION

Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed 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 prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held.

Non Food/Feed Areas including (but not limited to) garbage rooms, lavatories, floor drains (to sewers) entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, etc.

Vacate treated areas and ventilate before reoccupying. For maximum effectiveness, a combination of spot, surface treatment and fogging is recommended.

Do Not Apply to Classrooms when in use.

SURFACE SPRAYING: To control **cockroaches, waterbugs, palmetto bugs, scorpions, millipedes, centipedes, sowbugs, pillbugs, ants, silverfish, firebrats, spiders, crickets, clover mites, cheese mites, granary weevils, rice weevils, confused flour beetles, rust red flour beetles, drugstore beetles, meal worms, grain mites, sawtooth grain beetles, spider beetles, cigarette beetles and cadellles:** Use the sprayer adjusted to a coarse, wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around the base of machinery, and behind shelves and drawers. Remove all food and shelving paper before spraying. Do not replace the food packages until the spray has dried. Infested food packages should be destroyed. For **silverfish**, spray bookcases. For **ants**, spray trails, nests and points of entry. If surface application only is to be used, spray floors and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

To control **Carpet Beetles:** Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

To control **Bedbugs:** Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed.

To control **Fleas and Ticks**, (adults and larvae): Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment as needed. Before treating carpets, spray a small inconspicuous area to test for possible staining or discoloration. Inspect area after drying, then proceed to spray entire area to be treated.

To control **Clothes Moths:** Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

To kill **Lice and Louse Eggs:** Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all treated articles to dry thoroughly before use.

ON LIVESTOCK: To protect cattle (beef and dairy) goats, sheep, hogs and horses from **horn flies, face flies, house flies, mosquitoes, and gnats:** Apply a light mist sufficient to wet the surface of the hair. For **face flies**, spray face and head, but do not spray into eyes.

To control **stable flies, horse flies and deer flies:** Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

To control **blood-sucking lice:** Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

To control **poultry lice:** Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

To control **bedbugs and mites** in poultry houses: Spray crevices of roost poles, cracks in walls, and cracks in nests where the **bedbug and mites** hide

ON DOGS: To control **Fleas, Ticks and Lice:** Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Do not spray into eyes or face. Avoid contact with genitalia. Repeat as necessary.

NOTE: Not recommended for use on puppies less than four weeks old. **DO NOT USE ON CATS OR KITTENS.** Do not use on old, sick or debilitated dogs.

Pet Premise: To control **fleas, ticks and lice** in kennels, pet bedding or resting quarters, thoroughly spray infested areas, nearby cracks and crevices. Fresh bedding should be placed in animal's quarters following treatment. Repeat treatment as needed. Avoid wetting furniture and carpeting. A fine mist or spray is all that is necessary to kill fleas and ticks.

OUTDOOR APPLICATION

FOR CONTROL OF GARDEN INSECTS:

For use on roses, dahlias, asters, and other ornamentals to kill Japanese Beetles hit by spray as well as Whiteflies, Aphids, Exposed Thrips, Spiders Red Mites, and Leafminers.

May be used on plants as a multi purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, eunonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against Whiteflies, Aphids, Spider and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Army Worms.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly with sprayer whenever possible. Repeat treatment as infestations occur.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container. Wrap container and put in trash collection.

PESTICIDE STORAGE AND SPILL PROCEDURE: Store upright at room temperature. Do not expose to freezing temperatures. Avoid exposure to extreme temperature. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

CONTAINERS ONE GALLON AND SMALLER: Do not transport or store below 32°F. Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. May be absorbed through skin. Avoid inhalation of spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling and before smoking or eating. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before space spraying or surface applications. Do not use on humans. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated area until surfaces are dry. Obtain medical attention if irritation persists.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Call a physician immediately. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove affected person to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

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ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply to any body of water. Do not contaminate when disposing of equipment washwater.

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

EPA REG. NO. 270-232

EPA EST. NO. 6175-LA-1

Manufactured for:

FARNAM COMPANIES, INC.
OMAHA, NE 68112

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