

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 23 1991

306 / 5392165
17

Mr. Jan Brill, Regulatory Manager
Fairfield American Corporation
809 Harrison Street
Frenchtown, NJ 08825

Dear Mr. Brill,

Subject: Revised Labeling and Response to Dermal Sensitization
Study Review
Permanone Multi-Purpose 10% EC
EPA File Symbol 4816-688
Your Submission Dated January 22, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy of the labeling is enclosed for your records.

A secondary review of the subject dermal sensitization study (MRID No. 416280-05) maintains that the data are classified as supplementary data. Please refer to comments provided by the Precautionary Review Section in their review of 10/1/91 (copy enclosed). Should you have any questions, please call me at (703) 557-2400.

Sincerely,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME	mm						
DATE	10/10/91						

CODE 72660

PERMANONE®**MULTI-PURPOSE 10% E.C.**

EPA REG. NO. 4816-688

EPA EST. NO. 279-NY-1

- * **RECOMMENDED FOR AGRICULTURAL/ COMMERCIAL USE**
- * *Broad Spectrum Multi-Use Insecticide*
- * *Quick Knockdown*
- * *For Use Outdoors and in Homes, Kennels, and Non-Food Areas of Commercial Buildings, Institutions, Warehouses, Theaters, Office Buildings, Schools, Motels, Hotels, Restaurants, and Food/Feed Processing Establishments.*
- * *Kills Gypsy Moth Caterpillars and Japanese Beetles.*
- * *For Control of Fleas, Brown Dog Ticks On Premises and On Dogs*
- * *Residually controls Fleas and Ticks on Dogs for 35 Days*
- * *Aids in Control of Ticks on Dogs for an Additional 2 Weeks*

ACTIVE INGREDIENT:

*Permethrin: (3-phenoxyphenyl) methyl (+/-)	
cis/trans 3-(2,2-dichloroethenyl) 2,2-	
dimethyl cyclopropanecarboxylate	10.0%
†INERT INGREDIENT:1	90.0%
	100.0%

* Cis/trans ratio: Max. 65% (+/-) trans and min. 35% (+/-) cis.

†Contains Petroleum Distillates

PERMANONE - Registered Trademark of Fairfield American Corporation.

KEEP OUT OF REACH OF CHILDREN**CAUTION**

See side panel for additional precautionary statements.

NET CONTENTS: _____



**FAIRFIELD
AMERICAN
CORPORATION**
201 ROUTE 17 NORTH, RUTHERFORD, NJ 07070

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. 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 reuse container. Wrap container in several layers of newspaper and discard in trash.

CONTAINERS LARGER THAN ONE GALLON: *Metal Containers* - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. *Plastic containers* - Triple rinse or equivalent, then offer for recycling or reconditioning, 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. *Glass Containers* - Triple rinse or equivalent, then dispose of in a sanitary landfill or by other approved state and local procedures.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION**

Harmful if inhaled. Causes moderate eye injury. Avoid breathing vapor or spray mist and contact with eyes, skin or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

Wear full-faced gas mask with canister type recommended for general insecticide protection for applying indoors as a space spray or fog.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Promptly drink a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician or Poison Control Center immediately. Do not induce vomiting unless under a physician's care. This product contains petroleum distillate. Vomiting may cause aspiration pneumonia.

IF INHALED: Remove person to fresh air. Apply artificial respiration if indicated. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

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

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Avoid direct applications to lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when wind speeds exceed 10 mph. Do not contaminate water when disposing of equipment washwaters. Shrimp and crab may be killed if application rates recommended on this label are exceeded. Use with caution where these are important resources. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated

area. Do not apply this product to the treatment area. Applications possible interval between treatments.

PHYSIOLOGICAL

Do not use or store near heat or on electrical equipment due to the

Buyer assumes all risks of use, strict accordance with directions

DIRECT

It is a violation of Federal law to with its labeling.

To prepare dilutions, the concentration. Add the required amount of concentrate. Do not hold dilutions for more than

For maximum effectiveness, a space treatment is recommended. Equilibrate before spraying.

Do not use in food/feed areas of restaurants or other areas where processed. Do not use in serving in operation. Serving areas are as dining rooms but excluding areas in the home, all food processing during treatment or thoroughly should be covered or removed.

NON FOOD/FEE AREAS include lavatories, floor drains (to sewer), rooms, machine rooms, boiler rooms (after canning or bottling).

Do not apply to classrooms when rooms or in any rooms when occupied.

Do not allow spray treatment to oranges or water supplies. Do not pasture.

INDOOR USE AREAS

AIRCRAFT
BAKERIES
BEVERAGE PLANTS
CANNERIES
FLOUR MILLS
FOOD PROCESSING PLANTS
GRAIN ELEVATORS
GRANARIES
HOMES
HOSPITALS (non-patient areas)
HOTELS
INDUSTRIAL INSTALLATIONS

OCT 23 19

SEE REVERSE FOR
INSTRUCTIONS
FOR USE
ON PESTS

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	APPLICATION RATE	DOSE RATE
AS A SURFACE SPRAY Aircraft, Bakeries, Beverage Plants, Canneries, Flour Mills, Food Processing Plants, Grain Elevators, Granaries, Homes, Hospitals, Hotels, Industrial Installations, Kennels, Meat Packaging Plants, Motels, Office Buildings, Railroad Cars, Restaurants, Schools, Ships' Holds, Supermarkets, Truck Trailers, and Warehouses.	Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Millipedes, Centipedes, Sowbugs, Pillbugs, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Red Rust Flour Beetles, Saw-toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Mealworms, Grain Mites, And Caddis.	For initial clean up of severe insect infestations: Use a good sprayer adjusted to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray ant trails, nests and points of entry. For normal infestations: Use a good sprayer adjusted to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray ant trails, nests and points of entry.	Water	1 part concentrate in 10 parts water (13 fl. ounces per gallon)	1 gallon to 750 square feet of surface	
	Carpet Beetles	Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and infested area of shelving. Repeat treatment as necessary.	Water	From 1 to 2 parts concentrate to 40 parts water (3.25 - 6.50 fl. ounces per gallon)	1 gallon to 750 square feet of surface	
	Bedbugs	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 thoroughly dry before use. Repeat treatment as needed.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	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 localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. ON DOGS: To control fleas, ticks - 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. Yellows spraying, fluff the hair so that the spray wets thoroughly. Do not spray into eyes and face. Avoid contact with genitalia. Repeat as necessary. Do not use on old, sick or debilitated animals. NOTE: NOT RECOMMENDED FOR USE ON PUPPIES LESS THAN FOUR WEEKS OLD.	Water	From 1 to 2 parts concentrate to 40 parts water (3.25 - 6.50 fl. ounces per gallon)		
		ON DOGS: To control fleas, ticks - 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. Yellows spraying, fluff the hair so that the spray wets thoroughly. Do not spray into eyes and face. Avoid contact with genitalia. Repeat as necessary. Do not use on old, sick or debilitated animals. NOTE: NOT RECOMMENDED FOR USE ON PUPPIES LESS THAN FOUR WEEKS OLD.	Water	1 part concentrate in 17 parts water (7.0 fluid ounces per gallon).		
Trees and Shrubs	Gypsy moth caterpillars and adults, adult Japanese beetles and Eastern and pest tent caterpillars	Apply to ensure thorough coverage of upper and lower surfaces. On trees and shrubs: Treat trees and shrubs as insects emerge (Usually spring). Treat leaves, branches and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control. On roses and in flower gardens: Treat plants and flowers as soon as insects appear. Spray plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.	Water	1 part concentrate in 40 parts water (3.2 fl. ounces per gallon of water)		
Walls, ceilings, moldings, screens, door frames, beams, light cords, and similar resting places.	Mosquitoes, Wasps, Gnats, Shippers	Treat surfaces using coarse wet spray. Spray to run off.	Water	1 part concentrate in 20 parts of water (8.5 fl. ounces per 1 gallon of water)		
LIVESTOCK SPRAY: Dairy & Beef Cattle, Sheep, Goats, Swine, Horses and Poultry. (For swine, do not ship animals for slaughter within 5 days of last treatment.)	Horn Flies, House Flies, Mosquitoes And Gnats	Apply to wet the hair thoroughly, with particular attention to topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	Stable Flies, Horse Flies And Deer Flies	Apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment as needed.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	Face Flies	Apply using spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1.5 ounces per animal. Repeat daily as needed.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	Poultry Lice	Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	Bedbugs and Mites in poultry houses	Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	Sheep 'tick' or ked	Thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	Fleas on Livestock (To kill and to protect against reinfestation)	Wet the animal by dipping or spraying.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	Flies, Mosquitoes and Gnats in Barns, Milking Parlors, Milk Rooms, Dairies and Poultry Houses	Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist, using about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes. Vacuum the treated area and ventilate before reoccupying. Repeat treatment as necessary.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	APPLICATION RATE	DOSE RATE
AS A SPACE SPRAY Bakeries, Beverage Plants, Canneries, Flour Mills, Food Processing Plants, Granaries, Homes, Hospitals, Hotels, Industrial Installations, Kennels, Meat Packaging Plants, Motels, Office Buildings, Railroad Cars, Restaurants, Schools, Ships' Holds, Supermarkets, Truck Trailers, Warehouses.	House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Blackflies, Small Flying Moths.	<p>Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. When using an oil dilution for space spraying, extinguish all flames and pilot lights when applying.</p> <p>For rapid control of House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Blackflies, Small Flying Moths, direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate areas after treatment and ventilate and sweep up dead insects before reoccupying.</p> <p>For rapid kill of exposed or accessible stages of other insects named on this label, apply using conventional, mechanical or compressed air equipment (non-thermal) following directions for space spraying.</p>	Oil or Water	1 part concentrate in 20 parts oil or water (8.5 fluid ounces per gallon)	1 ounce per 1000 cubic feet	
Animal Houses, Corrals, Drive-in Restaurants, Drive-in Theaters, Feedlots, Gardens, Golf Courses, Parks, Playgrounds, Recreational Areas, Urban Areas, Zoos, Etc.	Mosquitoes, Gnats, biting and non-biting Midges, Blackflies, and other biting Flies.	<p>Apply using vehicle mounted ULV equipment to create an insecticidal swath. For best results apply when there is a light breeze (i.e. about 5 mph) and apply in direction of breeze to obtain maximum swath and better distribution. Do not apply if winds exceed 10 mph.</p> <p>The target dose rate to be applied is up to 0.007 lb. a.i. per acre. This can be achieved under different conditions by altering the flow of insecticide from the equipment and/or the speed of the vehicle. Apply 3.5 to 7.0 fluid ounces per minute at vehicle speeds of 5-10 miles per hour using swath widths of 150-300 feet as appropriate to local conditions.</p> <p>At higher vehicle speeds flow rates should be increased proportionately to achieve the target dose rate.</p> <p>Not to be used within 100 feet (30 meters) of lakes and streams.</p> <p>In treatment of corrals, feed lots, swine lots and zoos, cover any exposed drinking water, drinking fountains and animal feed before application.</p> <p>Allow 24 hours before releasing. Do not apply more than once in a 24 hour period.</p>	Oil or Water	1 part concentrate with 1 part suitable oil solvent, or at proportional oil dilutions calculated on the basis of vehicle speed and swath width to achieve the target dose.	Dependent of swath width, flow rate and speed of vehicle.	Up to 0.007 lbs of active ingredient per acre.
BARRIER SPRAY Perimeter of residential yards, public facilities, paths, and recreational areas.	As an aid in reducing mosquito annoyance. To kill and control biting and non-biting midges, deer flies and other biting flies.	<p>Apply when walking at a speed of approximately 2 mph or a swath of 50 feet treating approximately 0.2 acre/minute.</p>	Oil or water	1 part concentrate to 1 part of a suitable diluent, or at proportional dilutions calculated on the basis of application speed and swath width to achieve the target dose.	Apply 17.5 fluid ounces of diluted material per acre.	Approx. 0.1 lb. per acre