

FILE
4816-688
pg. 1 of 5

JUN 6 1990

34/250705
18/18

Mr. Jan Brill
Fairfield American Corporation
809 Harrison Street
Frenchtown, NJ 088257

Dear Mr. Brill,

Subject: Application for Amendment - Change in Formulation
Permanone Multi-Purpose 10% EC
EPA File Symbol 4816-688
Your Submission Dated August 21, 1989 and May 25, 1990

The amended formulation and revised labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable since you have agreed in writing to submit the additional acute toxicity data requested in our letter of March 6, 1990. This approval is contingent on the receipt and evaluation of the additional toxicity data.

However, the labeling must be revised as follows:

1. Add the word "feed" following the word "food" in the paragraph beginning, "Do not use in food areas...", i.e.,

"...in food/feed areas of food/feed handling establishments..."
"...where food/feed is commercially prepared..."
"...exposed food/feed should be covered..."

2. Qualify the site hospitals to indicate non-patient areas, i.e.:

Hospitals (non-patient areas)

3. Under the instructions "On Dogs" add:

Do not use on old, sick or debilitated animals.

4. Add the following precautions under Directions for Use:

Do not apply to classrooms when in use. Do not apply this product in patient rooms or in any rooms when occupied by the elderly or infirm.

5. Add the following statement under animal houses, corrals, etc.:

... and better distribution. Do not apply if winds exceed 10 mph.

LeMaster 6/5/90

The product chemistry data, including the Confidential Statement of Formula (CSF), submitted for the reformulated product are acceptable. Please note the following comments:

1. The replacement of Aromatic 100 Solvent (Hi-Sol 10 and Odorless Mineral Spirits in the formulation with Deodorized Kerosene is acceptable.
2. Review the calculations on your CSF dated July 10, 1989. Correct the figures in column 13 a. and 13 b. so that the total weight adds up to 1000 lbs and the total percent by weight adds up to 100%.
3. The chemical identification and Material Safety Data Sheet have been provided for Witconol NP-60 and are acceptable.
4. The accelerated storage stability data for 30 days at 50°C are acceptable on an interim basis. Submit the results of a one year stability test at ambient temperatures when complete.

In response to your question in the subject fax transmittal of May 25, 1990, please note that we have no objection to your using this letter for the purpose of creating labeling for 24 (c) registrations for the subject amended formulation.

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,

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

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-dichloroethoxy) 2,2-dimethyl cyclopropanecarboxylate.....	10.0%
INERT INGREDIENTS.....	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

72000 072708

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 swallowed or absorbed through skin. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Remove and wash clothing before reuse. Avoid contamination of food and feed. 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 and call a physician if effects occur. Apply artificial respiration if indicated.

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

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

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes and prairie potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in treated

areas. Do not contaminate water, food or feed by storage or disposal. This product is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes and prairie potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water, food or feed by storage or disposal.

PHYSICAL AND CHEMICAL

Do not use or store near heat or open flame. Do not use on electrical equipment due to flammability.

Buyer assumes all risks of use, storage, handling, and disposal in strict accordance with directions on label.

DIRECTIONS

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

To prepare dilutions, the concentration of the concentrate must be well. Add the required amount of water to the concentrate thoroughly. Do not hold dilutions for more than 24 hours.

For maximum effectiveness, a complete space treatment is recommended in all areas before spraying.

Do not use in food areas of food processing plants, or other areas where food is consumed. Do not use in serving areas while food is being served. Serving areas are areas where people are eating or drinking, but excluding areas where food is being prepared. In all food processing surfaces, during treatment or thoroughly wash surfaces before use. Should be covered or removed.

NON FOOD/FEE AREAS include lavatories, floor drains (to sewers), restrooms, machine rooms, boiler rooms, and other areas (after canning or bottling).

Do not allow spray treatment to drain into water supplies. Do not use in pastures.

INDOOR USE AREAS

BAKERIES
BEVERAGE PLANTS
CANNERIES
FLOUR MILLS
FOOD PROCESSING PLANTS
GRAIN ELEVATORS
GRANARIES
HOMES
HOSPITALS
HOTELS
INDUSTRIAL INSTALLATIONS

SEE REVERSE FOR MORE INFORMATION

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	APPLICATION RATE	DOSE RATE
ASA SURFACE SPRAY 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.		For initial clean up of severe insect infestations	Water	1 part concentrate in 10 parts water (13.8 ounces per gallon)	1 gallon to 750 square feet of surface	
		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 to 20 parts water (6.5 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	1 part concentrate to 20 parts water (6.5 fl. ounces per gallon)		
	Bedbugs	Spray mattresses lightly particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, mouldings 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)		
	Flees and Ticks (Adults and Larvae)	Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, mouldings, window and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment.	Water	1 part concentrate in 20 parts water (6.5 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. While spraying, fluff the hair so that the spray wets thoroughly. Do not spray into eyes and face. Avoid contact with genitalia. Repeat as necessary. 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, Stinkbugs	Treat surfaces using coarse wet spray. Spray to run off.	Water	1 part concentrate in 20 parts of water (6.5 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 sufficient 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 Ixodes	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 reinestation)	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. Ventilate 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.	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. For rapid control of Houseflies, 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. 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.	Oil or Water	1 part concentrate in 20 parts oil or water (6.5 fluid ounces per gallon)	1 ounce per 1000 cubic feet	
Animal Houses, Corals, 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.	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. 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. At higher vehicle speeds flow rates could be increased proportionately to achieve the target dose rate. Not to be used within 100 feet (30 meters) of lakes and streams. In treatment of corals, feed lots, swine lots and zoos, cover any exposed drinking water, drinking fountains and animal feed before application. Allow 24 hours before retreating. Do not apply more than once in a 24 hour period.	Oil or Water	1 part concentrate with 1 part suitable oil solvent, or oil 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 lb. 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.	Apply when walking at a speed of approximately 2 mph at a swath of 50 feet treating approximately 0.2 acre/minute.	Oil or water	1 part concentrate to 5.8 parts of a suitable diluent, or at proportional dilutions calculated on the basis of vehicle 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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 6 1990

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

4816-688