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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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SEP 29 1992

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

Dear Mr. Brill,

Subject: Label Amendment
Permanone Multi-Purpose 10% E.C.
EPA Registration Number 4816-688
Your Submissions Dated August 7, and August 18, 1992

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 is enclosed for your records.

At the next label printing

1. Update the Environmental Hazards statement by replacing "Avoid direct applications to lakes,..." to "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

2. Change "Physical Hazards" to "Physical and Chemical Hazards."

Sincerely,

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

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME	TM						
DATE	9/29/92						

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	APPLICATION RATE	DOSE RATE
3 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, Sawtoothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Mealworms, Grain Mites, And Cadellies.	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.	Water	From 1 to 2 parts concentrate to 40 parts water (3.25 - 6.50 fl. ounces per gallon)		
		ON DOGS: To control flea ticks AS A SPRAY: Start spraying diluted product 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 genitals. Repeat as necessary. Do not use on old, sick or debilitated animals. AS A DIP: Wet the dog with water before treatment. Sponge, dip or pour diluted product on the dog until its fur and skin are thoroughly wet, making sure that the animal's entire body is treated, including the legs and underbody. Do not treat the dog's face. NOTE: NOT RECOMMENDED FOR USE ON PUPPIES LESS THAN FOUR WEEKS OLD.	Water	1 to 1.5 parts concentrate in 128 parts water (1 to 1.5 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, Skippers	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 100 parts water (1.3 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 100 parts water (1.3 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 100 parts water (1.3 fl. ounces per gallon)		
	Lice (including Poultry Lice), Northern Fowl Mites, Mange	Spray nocks, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist. For Swine, thoroughly soak animal, including ears. Repeat at 14 days for Mange. Treat Walls and Bedding.	Water	1 part concentrate in 100 parts water (1.3 fl. ounces per gallon)		1 gal. per 100 birds.
	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 100 parts water (1.3 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 100 parts water (1.3 fl. ounces per gallon)		
	Flies 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)		

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APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	APPLICATION RATE	DOSE RATE
AS A SPACE SPRAY LIVESTOCK PREMISES: Barns, Milking Parlors, Milk Rooms, Dairies, Poultry Houses, Swine and Livestock Housing	Flies, Mosquitoes and Gnats	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. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.	Water	1 part concentrate in 20 parts water (6.5 fluid ounces per gallon)		
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 solution 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, 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.	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. 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 should 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 corrals, 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 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 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 or a swath of 50 feet treating approximately 0.2 acre/minute.	Oil or water	1 part concentrate to 1 part of a suitable diluent, or at proportional dilutions calculated on the basis of applicator 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

HOSE-END SPRAYER: To control listed insects, shake well before applying. Connect nozzle to hose; remove cap, insert diptube and screw bottle onto nozzle. Turn on water at the tap. When ready to treat, place finger over the hole on right side of nozzle and the liquid will mix automatically at the proper ratio. Apply to surfaces in dairies, barns, feed lots, stables, poultry houses, swine and livestock housing; to control House Flies, Stable Flies and other manure breeding flies. Also aids in control of Cockroaches, Ants, Spiders, Mosquitoes, Crickets, and Face Flies. Walk and spray at a steady pace. Spray walls and surfaces to the point of run-off. Treat no more than once every two weeks. Do not contaminate animals feed or water by spray.

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