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 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 15 1995

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Ms. Christina M. Lawes
 AgrEvo Environmental Health
 95 Chestnut Ridge Road
 Montvale, NJ 07645

Dear Ms. Lawes:

Subject: Amendment-Label: Change of Signal Word
 Permanone Multi-Purpose 10% E.C.,
 EPA Registration No. 4816-688
 Your Submission dated June 23, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable subject to the comments listed below:

1. Please explain use of the hose-end sprayer instructions. If this is sold to professional applicators in 2.5 and 30 gallon containers, what is the container size for the hose-end sprayer? We also do not recommend applying a pesticide to the point of runoff, thus change the statement to read, "Spray walls and surfaces thoroughly but do not allow runoff to occur."

A stamped copy of the label is enclosed for your records.

Sincerely yours,

George T. LaRocca
 Product Manager (13)
 Insecticide-Rodenticide Branch
 Registration Division (7505C)

Enclosure

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CONCURRENCES

SYMBOL								
SURNAME	<i>[Signature]</i>							
DATE								

AUG 15 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
4876-688

295

PERMANONE®

MULTI-PURPOSE 10% E.C.

CODE 72660

- * **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.**
- * **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 INGREDIENTS..... 90.0%
100.0%

*Cis/trans ratio: Max. 63% (+/-) trans and min. 35% (+/-) cis.
†Contains Petroleum Distillates
PERMANONE is a registered Trademark of AgrEvo Environmental Health,
Ltd.

EPA REG. NO. 4876-688

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

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

NOTE TO PHYSICIAN: Do not administer or instill milk, cream or other substances containing vegetable or animal fats which enhance absorption of lipophilic substances.

**SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS.**

NET CONTENTS:

688s 061595tk

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

WARNING

Harmful if inhaled. Causes moderate eye injury and skin irritation. Do not get on skin or on clothing. Avoid breathing vapor or spray mist and contact with eyes. 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.

Environmental Hazards

This product is highly toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. 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 bees remaining on the treated area. Do not apply this product or allow drift when bees are actively visiting the treatment area. Applications should be timed to provide the maximum period of time between treatment and the next period of bee activity.

Physical & Chemical Hazards

Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

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

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.

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To prepare dilutions, the concentrate should first be stirred or agitated well. Add the required amount of concentrate to water or oil and blend thoroughly. Do not hold dilutions for more than 24 hours.

For maximum effectiveness, a combination of localized application and space treatment is recommended. Remove pets, birds and cover fish aquaria before spraying.

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 food is served such as dining rooms but excluding areas where foods may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed.

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, and storage (after canning or bottling).

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.

Do not allow spray treatment to contaminate pasture land, cropland, poultry ranges or water supplies. Do not use on crops used for food, forage or pasture.

INDOOR USE AREAS

AIRCRAFT	KENNELS
BAKERIES	MEAT PACKING PLANTS
BEVERAGE PLANTS	MOTELS
CANNORIES	OFFICE BUILDINGS
FLOUR MILLS	RAILROAD CARS
FOOD PROCESSING PLANTS	RESTAURANTS
GRAIN ELEVATORS	SCHOOLS
GRANARIES	SHIPS' HOLDS
HOMES	SUPERMARKETS
HOSPITALS (non-patient areas)	TRUCK TRAILERS
HOTELS	WAREHOUSES
INDUSTRIAL INSTALLATIONS	

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

See Reverse for Use Directions

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APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	AP
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: 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 (1.3 fl. ounces per gallon)	1 gal. 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	From 1 to 2 parts concentrate to 40 parts water (3.25 - 6.50 fl. ounces per gallon)	1 gal. surface
	Carpet Beetles	Spray edges of carpeting and under carpeting, and rug. 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 folds 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 to 20 parts water (6.5 fl. ounces per gallon)	
	Fleas and Ticks (Adults and Larvae)	Thoroughly spray infested areas, pet living quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and localized areas of wall and floor covering. Fresh bedding should be placed in animal quarters following treatment. ON DOGS: To control fleas, ticks AS SURFAY - 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 genitalia. Repeat as necessary. Do not use on old, sick or debilitated animals. AS 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 or tail. NOT FOR DOGS LESS THAN 12 WEEKS OLD.	Water	From 1 to 2 parts concentrate to 40 parts water (3.25-6.50 fl. ounces per gallon) 1 to 1.5 parts concentrate in 128 parts water (1 to 1.5 fluid ounces per gallon).	
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 down.	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 neckline, 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, udder and under 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 roosts, walls and nests of 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)	
	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" CICKED	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)	
	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)	
	Horn Flies, Face Flies, Stable Flies	Backrubber/Self Oilier (keep rubbing device charged). Results can be improved by use of		1 pint to 10 gal. diesel oil	

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APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	APPLICATION RATE	DOSE RATE
ASA 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 fl. ounces per gallon)		
Bakeries, Beverage Plants, Canneries, Flour Mills, Food Processing Plants, Granaries, Homes, Hospitals, Hotels, Industrial Installations, Kitchens, 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, Corrals	Mosquitoes, Gnats, biting and non-biting Midges, BlackFlies, and other biting Flies.	Apply with 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 and swine lots, cover any exposed drinking water, drinking fountains and animal feed before application. Allow 24 hours before revealing. 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 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.	Apply, when walking at a speed of approximately 2 mph or a swath of 50 feet creating 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 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.

HOSE-END SPRAYER: For control of flying insects shake well before applying. Connect nozzle to hose; remove cap, insert dip tube 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 runoff. Treat no more than once every two weeks. Do not contaminate animals feed or water by spray.

AgriEvo Environmental Health
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Montvale, NJ 07645

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