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JUN 11 1990


Mr. Rob R. Adams, Jr.  
Elite Chemical Corporation, Inc.  
P.O. Box 1947  
Norcross, GA 30091

Dear Mr. Adams:

Subject: Amendment - Addition of Hose-End Sprayer Directions  
Elite Permethrin 10% EC  
EPA Registration No. 51793-81  
Your Application Dated April 20, 1990

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.

Sincerely yours,

  
George R. Roberts  
Product Manager 15  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

ACCEPTED

Under Federal Insecticide, Fungicide, and  
Rodenticide Act as amended, for the  
purpose of registration.

ELITE PERMETHRIN 10% E.C. 51793-81

A long lasting livestock and premise spray that provides knock down, broad spectrum insecticidal effectiveness, and excellent residual activity for up to 28 days.

Kills Gypsy Moth Caterpillars, Japanese Beetles, Roaches, Ants, Fleas, Ticks, Lice, Bed Bugs, Horn Flies, House Flies, Meal Worms, Darkling Beetles, Poultry Lice, Fowl Mites and numerous other insects as listed on side panels.

For use outdoors and in homes and non-food areas of commercial buildings, institutions, warehouses, theaters, office buildings, schools, motels, hotels, restaurants, food/feed processing establishments, hospitals, kennels, poultry houses, dairies, cattle barns, milking parlors, horse barns and swine houses.

"Recommended for Commercial/Agricultural Use and Mosquito Abatement District Officials."

ACTIVE INGREDIENT:

*Permethrin .....	10.0%
INERT INGREDIENTS:.....	90.0%
TOTAL .....	100.0%

•(3-phenoxyphenyl) methyl(±)cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethyl cyclopropanecarboxylate

Cis/trans ratio: Max. 65% (±) trans and min. 35% (±) cis.  
Contains 0.75 lbs. of permethrin per gallon.

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KEEP OUT OF REACH OF CHILDREN

CAUTION

See Rear Panel for Additional Precautionary Statements  
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MANUFACTURED BY:  
ELITE CHEMICAL CORPORATION, INC.  
P.O. BOX 1947, NORCROSS, GEORGIA 30091

EPA Est. No. 51793-GA-1

EPA Reg. No. 51793-81

NET CONTENTS -- OZ

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Keep container sealed when not in use. Protect from freezing. To prepare dilutions, add the required amount of concentrate to water and blend thoroughly.

Dilution rates on this label will yield the following ready-to-use product:

RATE	OZ. CONC./GAL	PERMETHRIN
1:19	6.4	0.50%
1:39	3.2	0.25%
1:100	1.28	0.10%
1:200	.64	0.05%
1:400	.32	0.025%

The number following the dilution directions on this label, refers to the ready-to-use Permethrin level.

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

### INDOOR USE AREAS

Do not use in food areas of food handling establishments, restaurants or other areas where food 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. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

### NOT FOR USE IN U.S.D.A. MEAT AND POULTRY PLANTS

NON FOOD/FEED AREAS include (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 darning or bottling).

BAKERIES  
BEVERAGE PLANTS  
CANNERIES  
FLOUR MILLS  
FOOD PROCESSING PLANTS  
GRAIN ELEVATORS  
GRANARIES

HOSPITALS  
HOTELS, MOTELS  
INDUSTRIAL INSTALL.  
KENNELS  
MEAT PACKING PLANTS  
HOMES  
OFFICE BUILDINGS

RAILROAD CARS  
RESTAURANTS  
SCHOOLS  
SHIPS' HOLDS.  
SUPERMARKETS  
TRUCK TRAILER  
WAREHOUSES

**AS A SURFACE SPRAY TO CONTROL:**

Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Millipedes, Centipedes, Sowbugs, Pillbugs, Clover mites, Cheese mites, Granary weevils, Rice weevils, Confused flour beetles, Rust red flour beetles, Sawtoothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, darkling beetles, mealworms, grain mites and cadellies:

For initial clean up of severe insect infestation, dilute at a rate of (1) part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).

For normal infestations dilute (1) part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoonful per gallon) (0.1%).

For maintenance use, dilute (1) part concentrate in 200 parts water (.64 ounce per gallon) (4 teaspoonfuls per gallon) (0.05%).

Use a good sprayer and 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. If surface application only is to be used, spray floors, walls 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, closets 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. Allow all treated articles to thoroughly dry before use.

TO CONTROL: Fleas and ticks (adult 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.

**AS A SPACE SPRAY:**

For initial clean up of severe insect infestation, dilute at a rate of (1) part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).

For normal infestations dilute (1) part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoonfuls per gallon) (0.1%).

For maintenance use, dilute (1) part concentrate in 200 parts water (.64 ounce per gallon) (4 teaspoonfuls per gallon) (0.05%).

Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. For rapid control of house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, bees, black flies, Angoumois grain moths and tobacco 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 occupying.

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. Apply the above dilutions at a rate of (1) ounce per 1000 cubic feet of space.

**OUTDOOR USE AREAS**

CORRALS  
FEED LOTS  
GARDENS  
PARKS

DRIVE-IN THEATERS  
DRIVE-IN RESTAURANTS  
GOLF COURSES  
ZOOS  
PLAYGROUNDS

RECREATIONAL AREAS  
SWINE LOTS  
URBAN AREAS  
HOMES

For initial clean up of severe insect infestation, dilute at a rate of (1) part concentrate in 19 parts water (6.4 fluid ounces per gallon) (0.5%).

For normal infestations dilute (1) part concentrate in 100 parts water (1.28 ounces per gallon) (8 teaspoonfuls per gallon) (0.1%).

For maintenance use, dilute (1) part concentrate in 200 parts water (.64 ounce per gallon) (4 teaspoonfuls per gallon) (0.05%).

Do not allow spray treatment to drift on pasture land, cropland, poultry ranges or water supplies. Do not use on crops used for food, forage or pasture. Under no condition should open water be treated with this product. Not to be used within 100 feet (30 meters) of lakes and streams.

#### TREATMENT OF FLYING INSECTS

TO AID IN CONTROL OF: Mosquitoes, Wasps, Gnats, Skippers, treat walls, ceilings, moldings, screens, door frames, window frames, beams, light cords and similar resting places.

#### FOR TEMPORARY REDUCTION OF ANNOYANCE FLIES, GNATS, MOSQUITOES

In drive-in restaurants, drive-in theaters, golf courses, urban areas, parks, playgrounds and other recreational areas. Dilute (1) part concentrate in 40 parts water (3.2 fluid ounces per gallon of water) (0.25%). Direct the spray into tall grass, shrubbery and around lawns, where these pests may hover or rest. Apply while the air is still and avoid wetting foliage. Application should be made prior to occupancy. Repeat as necessary.

In the treatment of corrals, feedlots, swine lots and zoos, cover any exposed water, drinking fountains and animal feed before application. Fill the area with mist and direct the spray into tall grass, shrubbery and around lawns where the above pests may hover or rest. Apply while the air is still and avoid wetting foliage. In zoos, prevent exposure of reptiles to the product. Repeat as necessary.

#### GYPSY MOTH CATERPILLARS AND ADULTS, ADULT JAPANESE BEETLES, EASTERN AND FOREST TENT CATERPILLARS

To kill on contact; Dilute (1) part concentrate in 40 parts water (3.2 fluid ounces per gallon of water) (0.25%), apply to insure thorough coverage of upper and lower surfaces.

ON TREES AND SHRUBS: Treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days 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.

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#### ANIMALS AND ANIMAL PREMISE USE

CATTLE BARNS  
SWINE HOUSES  
MILK ROOMS

POULTRY HOUSES  
HORSE BARNS  
KENNELS

DAIRIES  
MILKING PARLORS

For initial clean up of severe insect infestation, dilute at a rate of (1) part concentrate in 100 parts water (1.28 ounces per gallon) (0.1%) (8 teaspoonfuls per gallon).

For normal infestations dilute (1) part concentrate in 200 parts water (.64 ounces per gallon) (4 teaspoonfuls per gallon) (0.05%).

For maintenance use dilute (1) part concentrate in 400 parts water (.32 ounces per gallon) (2 teaspoonfuls per gallon) (0.025%).

#### LIVESTOCK SPRAY

(Dairy & Beef Cattle, Sheep, Goats, Swine, Horses, Poultry)  
For Dairy Cattle: Spray lactating dairy cows only after milking is completed.

For Swine: Do not ship animals for slaughter within 5 days of last treatment.

To Control; 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.

To Control; 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 daily as needed.

To Control; 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 1/2 ounces per animal. Repeat daily as needed.

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.

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To Control; bedbugs and mites (including Northern Fowl Mites) in poultry houses: Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide. Spray birds with a fine mist paying particular attention to vents. Use at the rate of 1 gallon of spray per 100 birds.

To Control; sheep "tick" or ked: Thoroughly wet all portions of the body by dipping or spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.

To Control; fleas, ticks, lice and Mange mites (adults & larvae) on dogs, and livestock: Thoroughly wet the animal by dipping, sponging or spraying. Allow animal to dry in a warm place without rinsing or toweling. Gives long lasting protection against reinfestation and applications at intervals of two to three weeks. Repeat applications as necessary. DO NOT TREAT PUPPIES LESS THAN FOUR WEEKS OLD.

To Control; fleas, flies, ticks, lice and Mange mites (adults & larvae) in kennels, dog houses, runs, and yards: Thoroughly wet past breeding or resting areas to run off. Most efficient pest control is accomplished when heavy pressure and good contact is achieved. Timing and frequency of application should be based on pest populations reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays. Do not spray feed, food or water. Repeat as needed but not more often than once every two weeks.

IN CATTLE BARNS, HORSE BARNS, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES AND POULTRY HOUSES: To control flies, mosquitoes, meal worms, darkling beetles, and gnats;

For initial clear up of severe insect infestation, dilute at a rate of (1) part concentrate in 100 parts water (1.28 ounces per gallon) (0.1%) (8 teaspoonfuls per gallon).

For normal infestations dilute (1) part concentrate in 200 parts water (.64 ounces per gallon) (4 teaspoonfuls per gallon) (0.05%).

For maintenance use dilute (1) part concentrate in 400 parts water (.32 ounces per gallon) (2 teaspoonfuls per gallon) (0.025%).

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Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for ten to fifteen minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.

#### 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:** Wastes resulting from the use of this product may be disposed of on site or at 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.

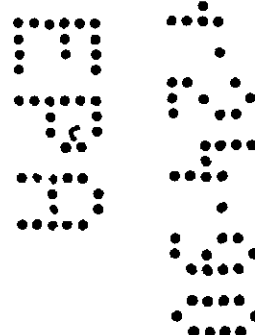
**CONTAINERS ONE GALLON AND SMALLER:** Do not reuse container. Wrap and discard in trash.

#### 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.

Full-faced gas mask with cannister is recommended for general protection when applying indoors as a space spray or fogger.



### STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Contact a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

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

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

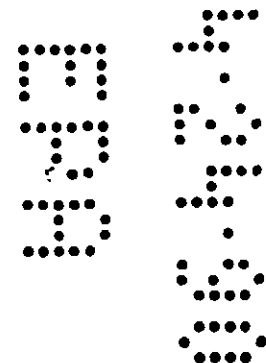
IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwaters/dip solution. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

### PHYSICAL 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.



## FOR USE WITH HOSE END SPRAYER CAP

The hose end sprayer cap is calibrated to deliver the correct dilution rate. No mixing - no measuring - no mess. Screw hose into back of sprayer cap. Remove bottle cap (save for storage after use). Secure sprayer cap by turning bottle counter-clockwise. Turn on water supply. TO START FLOW OF INSECTICIDE, place index finger over hole on right side of sprayer cap. Spray evenly and completely over infested areas.

Hold about three feet above surface, moving at a steady pace to insure consistent, thorough coverage. When treatment is complete, or you wish TO STOP FLOW OF INSECTICIDE for any reason, simply remove finger from hole to break siphon action. TO STORE REMAINING INSECTICIDE: turn off water supply and remove bottle from sprayer unit and hose by turning bottle clockwise. Replace cap on bottle and tighten securely. Unscrew hose from sprayer unit and rinse unit in clear water. Store in cool place.

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