

PM 15 10370-236

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JUL 6 1990

Mr. Richard B. Boyd
Ford's Chemical Inc.
3741 Red Bluff, Suite 200
Pasadena, TX 77503

Dear Mr. Boyd:

**Subject: Additional Use Directions and Alternate Confidential
Statement of Formula (CSF)
Ford's Permethrin Concentrate
EPA Registration No. 10370-251
Your Application Dated March 5, 1990**

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- a. The solvents in this product may present an aspiration hazard if the product was accidentally ingested. Thus beneath the ingredient statement add the phrase:

"Contains aromatic petroleum distillate"

- b. Due to the presence of the solvent we suggest the following statement under IF SWALLOWED, however if your toxicological data/use history suggests otherwise please submit a draft statement of practical treatment for prior approval.

"Contact a physician or Poison Control Center immediately. Due to the presence of solvent, gastric lavage is indicated if material was taken internally. Do not induce vomiting. Vomiting may cause aspiration pneumonia."

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- c. We suggest you reorganize the label instructions by grouping outdoor uses under the heading Outdoor Applications and including the instructions for controlling gypsy moths, Japanese beetles, and the sites trees, shrubs, roses, flower gardens under one heading, i.e. "For Control of Insects on trees, shrubs, flowers and other ornamental plants."
 - d. Delete the instructions for dogs on the amendment copy since these instructions already appear on the general label.
3. Please provide the following Product Chemistry Information/data:
 - a. Your two CSP's, dated March 2, 1990 and March 25, 1988, on file for your product are both identified as basic formulations. Both products contain Permethrin from different sources. There can only be one basic formulation. Choose one CSP as basic and the other as alternate.
 - b. On the CSP please provide upper and lower Certified Limits of the individually added inerts.

Submit five copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely,

George T. LaRocca
Product Manager 15
Insecticide-Rodenticide Branch
Registration Division (E7505C)

Enclosure

2310

FORD'S PERMETHRIN

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

For use outdoors and in homes and non-food areas of commercial buildings, institutions, warehouses, theaters, office buildings, schools, motels, hotels, restaurants, kennels and food/feed processing establishments.

NOT FOR USE IN USDA MEAT AND POULTRY PLANTS.

Kills Gypsy Moth Caterpillars and Japanese Beetles

ACTIVE INGREDIENT:

*Permethrin: (3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethyl cyclopropanecarboxylate.....	10.0%
INERT INGREDIENTS.....	90.0%
TOTAL.....	100.0%

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

KEEP OUT OF REACH OF CHILDREN
CAUTION

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 6 1990

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

10370-236

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: 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.

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INDOOR USE AREAS (CONT.)

- / FLOUR MILLS
- / FOOD PROCESSING PLANTS
- GRAIN ELEVATORS
- GRANARIES
- / HOMES
- / HOSPITALS
- / HOTELS
- / INDUSTRIAL INSTALLATIONS

- OFFICE BUILDINGS
- RAILROAD CARS
- RESTAURANTS
- SCHOOLS
- SHIPS HOLDS
- SUPERMARKETS
- TRUCK TRAILERS
- WAREHOUSES

AS A SURFACE SPRAY: For initial cleanup of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.7 ounces per gallon).

For normal infestations, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon).

To control cockroaches, waterbugs, palmetto bugs, ants, silverfish, firebrats, spiders, crickets, millipedes, centipedes, sow bugs, pill bugs, clover mites, cheese mites, granary weevils, rice weevils, confused flour beetles, rust red flour beetles, saw-toothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, mealworms, grain mites and cadelles: 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. 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.

TREATMENT OF FLYING INSECTS RESTING PLACES



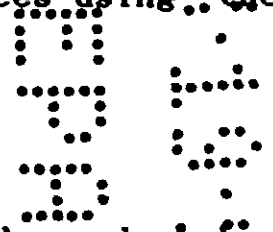
TO AID IN CONTROL OF:

- Mosquitoes
- Wasps
- Gnats
- Skippers

Treat walls, ceilings, moldings, screens, door frames, window frames, beams, light cords and similar resting places using the above dilution of 1:19.

TO CONTROL:

- Mosquitoes
- Gnats
- Small Flying Moths



For best results, use truck mounted equipment and apply when there is a light breeze of approximately 5 miles per hour. Spray from the windward side so the fog will be carried across the area to be treated. Treat shrubbery and vegetation where mosquitoes may rest.

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Dilute 1 part concentrate in 19 parts water and apply at a rate of 2.5 pints per acre (0.9 ounce per 1,000 sq. ft.), using truck mounted conventional misting equipment such as Rotomist models 51C, 91 or 100 HT traveling at 5 m.p.h. To treat a 300 foot swath, calibrate equipment to deliver 0.95 gallon per minute. Under no conditions should open water be treated with this product. Not to be used within 100 feet (30 meters) of lakes and streams.

OUTDOOR USE AREA

CORRALS
DRIVE-IN RESTAURANTS ✓
DRIVE-IN THEATERS ✓
FEEDLOTS

GARDENS ✓
GOLF COURSES ✓
PARKS ✓
PLAYGROUNDS ✓

RECREATIONAL AREAS ✓
URBAN AREAS ✓
ZOOS ✓

FOR TEMPORARY REDUCTION OF ANNOYANCE FROM:

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). 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 use. 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.

To kill gypsy moth caterpillars and adults, adult Japanese beetles, and Eastern and forest tent caterpillars on contact: Combine 3.2 fluid ounces of concentrate per 1 gallon of water. 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 as necessary for control.

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7/8/10

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. Allow all treated articles to thoroughly dry before use. Repeat treatment as needed.

RESIDUALLY CONTROLS FLEAS AND TICKS ON DOGS FOR 35 DAYS. 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 coverings. Fresh bedding should be placed in animal quarters following treatment. To kill fleas and ticks on dogs, and to obtain protection against reinfestation, dilute 1 part concentrate to 100 parts water (1.28 ounces per gallon). Using protective gloves (mitts), wet the animal by dipping or spraying. **DO NOT TREAT PUPPIES LESS THAN FOUR WEEKS OLD. DO NOT USE THIS OR ANY OTHER PESTICIDE ON SICK, OLD, OR DEBILITATED PETS.**

AS A SPACE SPRAY: Dilute at a rate of 1 part concentrate to 19 parts water (6.7 fluid ounces per gallon). 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 1,000 cu. ft. 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: Dilute 1 part concentrate in 19 parts water (6.7 ounces per gallon). 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 1,000 cu. ft. of space.

TREATMENT ON ANIMALS AND ANIMAL QUARTERS: To aid in control of: horn flies, face flies, houseflies, mosquitoes, gnats, stable flies, horse flies, deer flies, blood sucking lice, poultry lice, bedbugs, mites, fleas and ticks. Dilute this product at a rate of 1 part concentrate in 19 parts water (6.7 ounces per gallon).

ON LIVESTOCK: To protect cattle (beef and dairy), goats, sheep, hogs, and horses from horn flies, face flies, houseflies, mosquitoes, and gnats: Apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.



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TO CONTROL STABLE FLIES, HORSE FLIES AND DEER FLIES: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOOD-SUCKING LICE: Apply to the infected areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

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.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

ON DOGS: To control fleas, ticks, and lice: 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 will penetrate to the skin. Make sure spray wets thoroughly. Do not spray into eyes or face. Avoid contact with genitalia. Repeat as necessary.

NOTE: Not recommended for use on puppies less than 4 weeks old.

TO CONTROL CLOTHES MOTHS: Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus, and other storages directing the spray into cracks, joints, and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

TO KILL LICE AND LOUSE EGGS: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all treated articles to dry thoroughly before use.

OUTDOOR APPLICATION

Dilute at a rate of 1 part concentrate in 19 parts water (6.7 ounces per gallon).

FOR CONTROL OF GARDEN INSECTS: For use on roses, dahlias, asters and other ornamental to kill Japanese beetles hit by spray, as well as whiteflies, aphids, exposed thrips, spiders, red mites, and leaf miners.



may be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, canellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, eunonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against whiteflies, aphids, spider and red mites, exposed thrips, lace bugs, Japanese beetles, pavement ants, clover mites and armyworms.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90 F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

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, e.c. 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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NOTICE

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

Manufactured by

FORD'S CHEMICAL & SERVICE, INC.
2739 Pasadena Blvd.
Pasadena, Texas 77502

EPA REG. NO. 10370-236
EPA EST. NO. 10370-TX-1

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