

Reg no: 29909-25

PM-15

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION 29909-25	DATE OF ISSUANCE AUG 22 1988
	TERM OF ISSUANCE Until Reregistration	
	NAME OF PESTICIDE PRODUCT Permex Residual Insecticide Spray for Crawling Insects	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Cardinal Laboratories, Inc.  
 710 South Ayon Avenue  
 Azusa, CA 91702

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/collect all data required for registration/reregistration of your product under FIFRA section 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.

- a. Add the phrase "EPA Registration No. 29909-25."
- b. Update the Environmental Hazards statement by including "Do not contaminate water by disposing of equipment washwaters" and deleting "... by cleaning of equipment or disposal of wastes."
- c. Delete "Fire ANTS" under the "Ants" heading since specific instructions for controlling fire ants are given elsewhere on the label.
- d. The directions for wasps, hornets, etc. appear twice on the label.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

*Jose V. Lopez*

DATE

7/20/88

**BEST AVAILABLE COPY**

- e. Add the following to the indoor use directions "Do not use this product in or on electrical equipment due to the possibility of shock HAZARD."
- f. Based upon the directions for use and sites of application, the product should be limited to commercial applicators. Thus, add to the front panel:

Only for Sale to, Use and Storage by  
Pest Control Operators.

- g. Add the precautions to Directions for Use:

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.

Non-food areas are areas such as 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).

- h. Use in food handling establishments can infer use in the United States Department of Agricultural (USDA) Meat and Poultry Plants. Therefore, either add the statement "Not for Use in USDA Meat and Poultry Plants" or submit an application to USDA requesting use in these areas. If granted you can then indicated on the label that the product can be used in these areas.
- i. Delete "For persistent infestations consult professional applicators." Pest Control Operators are considered professional applicators.
- j. Add the following statement to the Bedbug directions:

Allow all treated articles to dry  
thoroughly before use.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

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

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosures

Reg no. 29909-25

PM

ACCEPTED  
with COMMENTS  
in EPA Notice 29909-25

AUG 22 1986

# PERMEX RESIDUAL INSECTICIDE SPRAY

FOR CRAWLING INSECTS

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 29909-25

**AN INSECTICIDE OFFERING RESIDUAL KILL OF CRAWLING INSECTS FOR UP TO 4 WEEKS**  
Contains 1 lb/gal (120 g/L) of Pramex® Insecticide

**ACTIVE INGREDIENTS:**

\*† Permethrin (3-phenoxyphenyl)methyl (±) Cls, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate..... 13.30%/w/w

**INERT INGREDIENTS:**..... 86.70%

100.00%/w/w

\* Cis/trans isomers ratio: min. 35%(±)cis and max. 65%(±)trans.  
† U.S. Patent No. 4,024,163  
• Penick's Pramex® brand of permethrin insecticide.  
Penick Corp., 1050 Wall Street West, Lyndhurst, N.J. 07071

**PRECAUCION AL CONSUMIDOR:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
**(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

**KEEP OUT OF REACH OF CHILDREN  
WARNING**  
SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS AND  
STATEMENT OF PRACTICAL TREATMENT

**PRECAUTIONARY STATEMENT  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**  
Causes eye irritation. Do not get in eyes. Avoid contact with skin. Do not swallow. Avoid breathing vapor. Wash thoroughly after handling areas.  
**STATEMENT OF PRACTICAL TREATMENT**  
If swallowed: Call physician or Poison Control Center. Do not induce vomiting. Do not use emetics. Aspirin may be a hazard. If in eye: Flush with plenty of water. Get medical attention. If on skin: Wash with soap and plenty of water. Get medical attention if irritation persists.  
**ENVIRONMENTAL HAZARDS**  
This product is extremely toxic to fish. Do not contaminate water bodies with this product. Keep out of lakes, streams or ponds. Use this product only as specified on the label.  
**PHYSICAL AND CHEMICAL HAZARD**  
Do not use or store near heat or open flame. Flashpoint minimum 100°F.

**DIRECTIONS FOR USE**  
It is a violation of Federal Law to use this product in a manner inconsistent with the label.

**STORAGE & DISPOSAL**  
Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store product in original container in a locked storage area.  
**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal is a violation of Federal Law. If these wastes are not used according to label instructions, contact your State Pesticide Agency, or the Hazardous Waste representative at the nearest EPA office for guidance.  
**CONTAINER DISPOSAL:** For Containers One Gallon and smaller: Empty container into a locked storage area. For Containers One Gallon and larger: Wrap container and put in trash. For Containers One Gallon and larger: Then offer for recycling or reconditioning, or puncture and landfill, or by other procedures approved by State and local authorities.

NET CONTENTS                      Gallons (                      Liters)  
LOT NO.:  
EPA Reg. No. 29909                      EPA Est. 29909-CA-1

Cardinal Laboratories Inc.  
P.O. Box 2398

Irwindale, CAL. 91706 USA

Directions For Use (Continued on Reverse)

## DIRECTIONS FOR USE (Continued)

## PRAMEX RESIDUAL INSECTICIDE SPRAY

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FOR USE IN NON-FOOD AREAS INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, HOMES, PRESCHOOLS, NURSERIES, DAY CAMPS, GREENHOUSES, LATHHOUSES, SEED HOUSES, FOOD HANDLING ESTABLISHMENTS, PACKAGING AND PROCESSING PLANTS, COMMERCIAL, INDUSTRIAL, OFFICE, INSTITUTIONAL AND STORAGE BUILDINGS, DAIRIES, MILK STORAGE ROOMS, EGG PROCESSING PLANTS, SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, CANNERIES, FLOUR AND FEED MILLS, BAKERIES, AND HOSPITALS. IN HOSPITALS, PATIENTS SHOULD BE REMOVED PRIOR TO TREATMENT. ALSO FOR USE IN CAMPERS, MOBILE HOMES, BUSES, AUTOMOBILES, TRUCKS, AND BOXCARS. ALSO FOR USE IN DOG KENNELS AND HORSE STABLES. IN HORSE STABLES, NOT FOR APPLICATION IF HORSES WILL BE USED FOR FOOD.

## NOTE TO PEST CONTROL OPERATORS:

One gallon of finished spray is sufficient to treat 1500 linear feet (48' x 6 inch (15.2 cm) spray band.

For contact and residual sprays, mix PRAMEX with water in the following manner:

*128 oz per Gal*

FINISHED SPRAY	PRAMEX EC (fluid ounces)	WATER
0.25%	2-2/3 (79 ml)	1 gallon (3.79 L)
0.25%	2/3 (20 ml)	1 quart (0.95 L)
0.50%	5-1/2 (163 ml)	1 gallon (3.79 L)
0.50%	1-1/3 (39 ml)	1 quart (0.95 L)

For heavy infestations, use the 0.50% dilution. For light infestations and for maintenance purposes, use the 0.25% dilution.

## PEST INDOORS

For residual and contact control of cockroaches (waterbugs), crickets, silverfish (firebrats), clover mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, brown dog ticks, lone star ticks, fleas, fire ants, clothes moths, carpet beetles, fleas, boxelder bugs, scorpions, spider beetles, bed bugs, grasshoppers, house flies, mosquitoes, gnats, fruit flies, cluster flies, flying moths, confused flour beetles, saw-toothed grain beetles, shiny spider beetles, grain mites, red flour beetles, angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths. Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards and storage areas. Spray directly on insects where possible.

For Bedbugs: Apply as a spot treatment to cracks and crevices, around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and pillows. Then spot treat only areas that may harbor bedbugs, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

**Grain Insects:** To control confused flour beetles, saw-toothed grain beetles, spider beetles, shiny spider beetles, grain mites, red flour beetles, angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths, carpet beetles - remove infested grain, cereal or flour and destroy. Avoid contamination of other food and foodstuffs in the areas by removing before spraying. Spray directly on exposed stages and into cracks and crevices where grain insects may be hiding. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly sprayed so as to contact all pests, and covered with shelf paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

**Spiders:** Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

**Ants (Including Fire Ants):** To kill ants, spray trails, nests and points of entry within buildings and homes. Spray directly on ants where possible. Repeat as necessary.

**Wasps, Hornets, Yellow Jackets, Bees:** Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

**Fleas, Brown Dog and Lone Star Ticks on Dogs, Cats, and Premises:** Spray animals along back, under forelegs and on other areas, except protum, face and anus. Part hair to contact skin and insure good coverage. Hold sprayer about one foot (30 cm) away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes, mouth or nose of animal. To prevent reinfestation, thoroughly spray the animals' bedding and other resting areas until the surface is slightly moist contacting as many insects as possible. Treat the floor area, cracks and crevices in the floor and along baseboards at the rate of 2 seconds per linear foot (30 cm) at a distance of 12 to 18 inches (30-45 cm). Also spray the entire inside surface of dog houses.

**House Flies, Mosquitoes, Cluster Flies, Gnats, Fruit Flies, Flying Moths:** Close off all doors and windows. Point sprayer upward. Direct spray mist to all parts of the room, especially windows and other light sources which may attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is completed.

**Carpet Beetles and Clothes Moths:** To treat carpets - hold container 14-18 inches (36-46 cm) from carpet. Apply spray evenly, covering the entire surface until slightly moist. Spray underside of carpet when possible. Avoid wetting or soaking. To Treat Garments, Blankets, Carpets and Other Fabrics Before Storage: Dry clean or wash before treatment and after storage. Apply spray evenly, covering the material on both sides until slightly moist. For best results, place treated materials in plastic

bags after drying, and store in a dark place. Also spray floor and baseboards, closets, cracks, crevices, infested areas of shelving and/or wherever these insects are seen or suspected.

**Pests on Outside Surfaces of Buildings:** Use this product to control ants, clover mites, crickets, earwigs, millipedes and sowbugs (pillbugs) on the outside surfaces of buildings. To help prevent infestation of buildings, treat the building foundation to height of 2 to 3 feet (0.5 to 1 m), where pests are and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

**House Flies, Mosquitoes, Cluster Flies, Gnats, Flying Moths, Outdoor:** For outdoor use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, door window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garage and other places where these insects alight or congregate. Repeat as necessary.

**Ants, Lone Star Ticks, Crickets, Fleas, and Earwigs Outdoor:** For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as infestations warrant and reinfestations occur.

**Wasps, Hornets, Yellow Jackets, Bees:** Application should be made in late evening when insects are at rest. Aim spray at no openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

**TO CONTROL FIRE ANTS** Dilute 2 tablespoons (30 ml) of the product in 1 gallon (3.79 L) of water. Apply 1 gallon (3.79 L) solution as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 foot diameter (1.22 m). For best results, apply in cool weather, 65-80° (18.5-27°C), or in early morning or late evening hours. Treat no mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity, and treat colonies which may not as yet have constructed a mound. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gallon (3.79 L) per mound is still required. Do not use equipment that produces a pressurized spray. Pressurized sprays may disturb fire ants and cause migration, reducing product effectiveness.

## WARRANTY STATEMENT

Our recommendations for the use of this product are based on tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or combination with other materials.

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