

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON DC 20460	EPA REGISTRATION NO. 498-137	DATE OF ISSUANCE MAY 27 1989
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT SPRAYING and Crawling	

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

224781/160
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BEST AVAILABLE COPY

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.

The following conditions apply to the use of this pesticide in accordance with the EPA registration number 498-137:

1. Submit data and data required for registration of similar products to the Agency when the Agency requires an registration of similar products. Submit such data.

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

- a. Add the phrase "EPA Registration No. 498-137."
- b. Add the following to the Precautionary Statements in place of "Do not use in edible . . . thoroughly after treatment".

Do not use in food areas or 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.

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

[Handwritten Signature]

DATE

3/27/89

In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment.

Nonfood 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).

- c. Use in food handling establishments can imply use in U.S. Department of Agriculture (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 indicate on the label that the product can be used in these areas.
- d. Update the Environmental Hazards statement by changing "cleaning of equipment or disposal of wastes" to "disposing of equipment washwaters."
- e. Add "Do not contaminate water, food or feed by storage or disposal" to the Storage and Disposal section. This section should also be placed after the Physical and Chemical Hazards and before the Directions for Use. The words "Storage and Disposal" should be placed above this section. To the container disposal, add "Do not puncture or incinerate container."

3. On the Confidential Statement of Formula, please provide the flashpoint of the product including the propellant. Mixtures marketed under pressure, including those containing hydrocarbons, are subject in their entirety to tests indicated in 40 CFR 162.10(h)(2)(iii). (Flashpoints are conveniently measured after collecting the liquid expelled from the container in an open cup chilled with dry ice.)

4. Please provide a storage stability study. Your referenced study is unacceptable. The formulated product must be analyzed for its active ingredient at time zero and during a year of storage. The storage should be in warehouse conditions of temperature and humidity and stored in similar containers you will be using in the trade.

5. 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.

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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 (H7504C)

Enclosures

Reg no: 498-137

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4 3 7



FLYING & CRAWLING INSECT KILLER

A Combination of Insecticides Offering Quick Knockdown and Residual Kill of Crawling Insects for up to 4 Weeks.

ACTIVE INGREDIENTS:

*† Permethrin (3-phenoxyphenyl)methyl(±) cis, trans-3-(2,2-dichloroethyl)-2,2-dimethylcyclopropanecarboxylate	0.15%w/w
d-Trans Allethrin (allyl homolog of Cinerin I)	0.25%

INERT INGREDIENTS:

99.60%
100.00%w/w

*Cis/trans isomers ratio min 35%(±)cis and max 65%(±)trans
 †U.S. Patent No. 4,024,163
 *Roussel Bio's Praxes® brand of permethrin insecticide
 Roussel Bio Corporation, 400 Sylvan Avenue, Englewood Cliffs, N.J. 07632

EPA Reg No 498

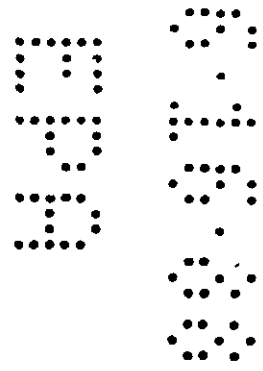
EPA Est No 498-IL-1

~~RECORDED~~
 with COMMENTS
 in EPA Letter Dated:
 MAR 27 1989

KEEP OUT OF REACH OF CHILDREN
CAUTION
 READ PRECAUTIONS ON BACK OF CAN

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
498-137

NET WT.



BACK PANEL

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Avoid contact with eyes, skin or clothing. Harmful if swallowed. Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment.

STATEMENT OF PRACTICAL TREATMENT

If in eyes or on skin: Flush with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other aquatic organisms. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F (54.5°C) may cause bursting. Do not apply this product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazard. Do not use on surfaces that can be harmed or stained by water.

DIRECTIONS FOR USE

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

STORAGE: Do not store near heat or open flame. Keep in locked storage area. Do not store this water-based formulation at temperatures below 32°F (0°C).

CONTAINER DISPOSAL: Replace cap and wrap container in several layers of newspaper. Discard in trash.

Shake well before each use. Remove protective cap. Aim spray opening away from person. Push button to spray.

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.

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PESTS INDOORS

For residual and contact control of cockroaches (waterbugs), crickets, silverfish (firebrats), clover mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, ants, clothes moths, carpet 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.

GRAIN INSECTS: For residual use, 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. 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. 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: 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.

HOUSE FLIES, MOSQUITOES, CLUSTER FLIES, GNATS, FRUIT FLIES, FLYING MOths: Close off all doors and windows. Point nozzle upwards. Direct spray mist to all parts of the room, especially windows and other light sources which 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.

CONTACT APPLICATION ONLY: (Not for Residual Control Of Fleas, Ticks and Bedbugs).

FLEAS, BROWN DOG AND LONE STAR TICKS ON DOGS, CATS AND PREMISES: Spray animals along back, under fore-legs and on other areas, except scrotum and anus. Part hair to contact skin and insure good coverage. Hold nozzle 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 areas, cracks and crevices in the floor and along baseboards at the rate of 2 seconds for linear foot (30 cm) at a distance of 12 to 18 inches (30-45 cm). Also spray the entire inside surface of dog houses.

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

PESTS ON OUTSIDES 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 a height of 2 to 3 feet (0.5 to 1 m), where pests are active 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: For repellent only as aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary.

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ANTS, LONE STAR TICKS, CRICKETS, FLEAS, AND EARWIGS: 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 as reinfestations occur.

WASPS, HORNETS, YELLOW JACKETS, BEES: Application should be made in late evening when insects are at rest. Aim spray at nest openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

FOR USE ON PLANTS

CONTACT AND RESIDUAL SPRAY - Apply spray to plants covering all foliage. Avoid heavy wetting.

INDOORS: To protect plants in greenhouses and lathhouses, and for indoor landscaping. Spray directly on insects to kill leafrollers, armyworms, cutworms, cabbage worms on chrysanthemums; fungus gnats on velvet plants. Spray as directed above. Spray as directed above to control aphids, armyworms, corn earworms, fall cankerworms, inchworms, japanese beetles, leafminers, leafrollers, and whiteflies on the following plants:

Ageratum	English Ivy	Piggy-back plant
Ardisia	Fuchsia	Poinsettia
Aster	Gladiolus	Portulaca
Azalea	Grape Ivy	Pothos
Baby's breath	Hypoestes	Prayer Plant
Begonia	Ivy	Purple Passion
Birds-nest fern	Juniper	Rabbits foot fern
Bleeding heart	Lily	Rose
Carnation	Marigold	Schefflera
Coleus	Orchid	Snapdragon
Crown of thorns	Palms	Snake Plant
Cockscomb	Pansy	Statice
Cyclamen	Piperomia	Velvet Plant
Dracaena	Petunia	Verbena
Dumbcane	Philodendron	Zinnia

If application is to be made indoors, remove infested plants from living areas prior to application. Spray plants in an area not likely to be occupied by children or pets (particularly fish). When leaves dry, plants can be returned to original location. Use with CAUTION on ferns, palms and fuchsia. As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars, and therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, and check for possible injury. Repeat applications may be necessary to control citrus black flies on non-bearing citrus; adult Japanese beetles on roses.

OUTDOORS: Spray as described above in the late afternoon or evening, when the temperature ranges from 50°F to 75°F and when there is little or no wind. Spray at the first indication of Insect pests. On those plants that will flower during the season, the spray schedule should be completed before blossom formation. Repeat as necessary; use intervals of 4 to 8 days. Application can be made up to the day of collection.

Spray as directed above to control aphids, cicadas, corn earworms, fall cankerworms, inchworms, leafminers, leafrollers, mealybugs, spider mites, exposed thrips and whiteflies on the following plants:

Ageratum	Gold bells	Pea shrub
Aster	Hypoxestes	Petunia
Azalea	Ivy	Philodendron
Begonia	Juniper	Poinsettia
Coleus	Lilac	Rhododendron
Common ninebark	Marigold	Rose
Common snowberry	Mock Orange	Snapdragon
Exacum	Nannyberry	Taxus
Euonymous	Orchid	Wax plants
English Ivy	Palm	Weeping fig
Gladiolus	Pansy	Zinnia

TO KILL TENT CATERPILLARS: Application should be made when caterpillars are young and tents are first noticed (usually late spring). For best results, apply in the late afternoon or evening when caterpillars have returned to their tents. Aim spray directly at tents, and saturate on all sides. Repeat as necessary.

WARRANTY STATEMENT

Our recommendations for use of this product are based upon 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 in combination with other materials.

