

DIRECTIONS FOR USE

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

RECOMMENDED USES

Ants, Cockroaches, Earwigs, Flies, Millipedes, Mosquitoes (outdoors), Crickets, Clover mites, Water bugs, Fleas (outdoors), Brown dog ticks, Hunting bitbug (FL only), Scorpions, Sow bugs, Silverfish, Saw-toothed grain beetles (exposed stage), Lawn Chinch bugs (FL only), Sod Webworm (lawn moths), Sand flies, Spiders, Punksies, Wasps, and Hornets

This product gives excellent control of ants, cockroaches, clover mites, crickets, earwigs, fleas (outdoors), mosquitoes (outdoors), flies, hornets, millipedes, saw-toothed grain beetles (exposed stage), scorpions, silverfish, sowbugs, spiders, brown dog ticks, wasps, waterbugs, lawn chinch bugs, sod webworms (lawn moths), billbugs, punlies and sand flies. It provides good flushing action of cockroaches, rapid knockdown and long residual control of these and the other insects. It will also control strains of cockroaches and mosquitoes resistant to certain chlorinated hydrocarbon and organophosphate insecticides. It mixes readily with water, and may be applied with most types of hand- or power-operated sprayers. Agitate spray mixture frequently.

It gives rapid knockdown and effective control of mosquitoes when applied by either ground mist-spraying, or with conventional aircraft spray equipment.

CAUTION: Do not use in fiberglass tanks. The spray mixture made from this formulation may loosen paint coatings in metal tanks if allowed to stand for more than a few hours. Clean tanks thoroughly before and after use.

INDOORS:

Pest Control in and Around Homes, Apartment Buildings, Stores and Warehouses: For residual control of ants, cockroaches, millipedes, silverfish, spiders, waterbugs, and to aid in control of saw-toothed grain beetles (exposed stage), mix 8 fluid ounces (1/2 pint) of this product in 1 gallon of water* (1.1% concentration) and apply as a residual spray to baseboards, window frames, the undersides of shelves and drawers, under sinks and stoves and to other places where insects may hide. Also spray cracks, crevices and surfaces where insects may crawl when they come out of hiding. For ants, spray trails and places where ants enter premises. Repeat as necessary. Do not spray foodstuffs or house plants. **DO NOT USE AS A SPACE SPRAY. PROVIDE ADEQUATE VENTILATION OF AREA BEING TREATED.**

Applications may be made to floor surfaces along baseboards and around air ducts, however do not treat entire area of floor or floor coverings. Do not allow children to contact treated surfaces until surfaces are completely dry.

Pest Control in Meat Packing and Food Processing Plants, Food Storage Areas, Restaurants, and Other Food Handling Establishments (places other than private residences in which exposed food is held, processed, prepared or served.)

For residual control of ants, cockroaches, millipedes, silverfish, spiders, waterbugs, and to aid in control of saw-toothed grain beetle (exposed stage), mix 8 fluid ounces (1/2 pint) of this product in 1 gallon of water* (1.1% concentration).

Non-Food Areas: Includes 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).

Apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insects hide or through which they may enter.

Food Areas: LIMITED TO CRACK AND CREVICE TREATMENT ONLY.—Apply a small amount of material as a pin-thin stream directly into cracks and crevices such as expansion joints between different elements of construction or between equipment bases and the floor, wall voids, or hollow equipment legs, where the insects noted above hide. Do not use this product in conduits, motor housings and electrical switch boxes.

Care should be taken to avoid depositing the product onto exposed surfaces, or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT, ARE NOT PERMITTED.

Spraying unloading docks and outside areas where insects congregate will aid in preventing re-infestations. Good sanitation and proper disposal of wastes is essential in any effective insect control program.

NOTE: Due to the high volatility of the solvents in this product it is necessary to add the formulation directly to the aircraft spray tank and mix well with water. Do not pre-mix in nurse tanks. Aircraft tanks must be closed after mixing to prevent solvent evaporation, which would result in crystallization of the active ingredient. Prepared spray should not be held in tank longer than 2 to 3 hours.

OUTDOORS:

For use by Pest Control Operators and Commercial Applicators for residual control of insects around industrial buildings, homes, garbage areas, dumps, and for mosquito control in non-crop areas.

Residual Spray for ants, cockroaches, earwigs, flies, hornets, millipedes, mosquitoes, spiders, crickets, clover mites, fleas, scorpions, sowbugs, brown dog ticks, wasps and waterbugs. Mix 8 fluid ounces (1/2 pint) of this product in 1 gallon of water* (1.1% concentration) and apply as a residual spray or with a paint brush to surface of buildings, porches, screens, window frames, patios and garages where these insects congregate. For control of wasps and hornets apply after dark when all of the insects have returned to the nest. Repeat as necessary. Do not treat plants (lawns, flowering plants, shrubs, trees, etc) with this concentration.

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To control sand flies or punkies (*Culiseta* spp.), mix 8 fluid ounces (1/2 pint) of this product in 1 quart of water* (4.5% concentration) and apply with a paint brush to outside surfaces of door and window screens and other screened areas where insects may enter buildings. Thorough coverage is necessary for maximum control.

Fogged Mist Spray for Mosquitoes: Apply 4 1/4 to 6 fluid ounces (0.05 to 0.07 lb active) per acre for mist blower machines calibrated to deliver 100 gallons per hour traveling at a speed of 4 m.p.h. and covering a swath width of up to 350 feet. Use 5 1/2 to 8 gallons of spray concentrate per 100 gallons of water* to treat 170 acres. CAUTION: Do not allow to drift or use on crop or pasture lands.

Aircraft Applications for Mosquitoes: Use this product at dosages of 4 1/4 to 6 fluid ounces (0.05 to 0.07 lb active) per acre in 2 to 4 quarts of water for application in conventional aircraft spray equipment. CAUTION: Do not allow to drift or use on crop or pasture lands.

Pest Control on Lawns and Turf:

Bed webworms (lawn moths): To control sod webworms on lawns and turf, mix 11 fluid ounces (approximately 1 1/2 cups) of this product in 10 to 15 gallons of water* and apply to 1000 square feet of area. For best results, mow the lawn and rake dead grass from damaged spots. Water the lawn thoroughly and allow grass to dry before spraying this product. If possible, do not water again for several days. Three applications at monthly intervals may be required for maximum control. In most areas, the first application should be made in May or June. Consult your local State Agricultural Experiment Station or Extension Service for more specific information regarding timing of applications.

Chinch bugs and hanting billbugs (Florida only): Apply 16 fluid ounces (1 pint) of this product per 1000 sq. ft. of lawn or turf area. Do not use less than 15 gallons of water* per 1000 sq. ft. For best results, use 30 to 40 gallons of water per 1000 sq. ft. Repeat as necessary. For effective control of chinch bugs, this product should be applied during the Spring and Summer months, or as recommended by your State Agricultural Experiment Station or Extension Service. For best results, lawns should be watered before applying.

PRECAUTIONARY NOTE: Birds feeding on treated areas may be killed. Keep children and pets off treated areas until dry.

*The use of this material in water at 40° F. or below will result in crystallization in the spray tank. Do not use in oil. Do not allow spray mixture to stand overnight in the spray tank.

MIXING CHART:

Concentration Required	Fluid ounces of this product to add to.		
	1 Gallon U.S.	3 Gallons U.S.	10 Gallons U.S.
1.1%	8 (1/2 pint)	24 (1 1/2 pints)	80 (5 pints)
4.5%	32 (2 pints)	96 (6 pints)	320 (20 pints)

RESTRICTIONS: Since this is a water-suspension material do not apply to rugs, carpets, draperies, wallpaper, or similar materials that may be stained or watermarked. The solvents of this formulation may stain certain plastic, rubber and asphalt materials, such as tiles and floor coverings. Do not treat such materials without first testing a small inconspicuous area. Do not use as a space spray. Provide adequate ventilation of area being treated. Do not apply to animals or humans. Do not use on food crops. Do not use on plants other than those recommended. Do not use in animal barns or poultry houses for fly control.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING

May be fatal if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. In case of prolonged exposure, wear natural rubber gloves, protective clothing and goggles. Wash hands, arms, and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before re-use. Do not contaminate food. Do not use as a space spray. Provide adequate ventilation of area being treated. Do not allow children to contact treated surfaces until surfaces are completely dry. Note to Physician: Atropine Sulfate is antidotal.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds feeding on treated area may be killed. Do not apply directly to water. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated. Apply the product only as specified on this label.

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STORAGE & DISPOSAL ← — — — 12 # TYPE SIZE

STORAGE: Store product in original container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinseate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:** Metal-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-Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WH-567)
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.

28293-87

DATE OF ISSUANCE

3/27/85

TERM OF REGISTRATION

NAME OF PESTICIDE PRODUCT

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

[Redacted area]

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 sec. 3(c)(7)(A) 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. Add the phrase "EPA Registration No. 28293-87" to your label before you release the product for shipment.

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 sec. 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.

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (WH-567)

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

3/27/85