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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-757) WASHINGTON, DC 20460	EPA REGISTRATION NO. <b>46579-9</b>	DATE OF ISSUANCE <i>Aug 7, 1990</i>
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT <b>Resmethrin 1 Contact and Space Spray</b>	

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

NAME AND ADDRESS OF REGISTRANT (include ZIP code)

Dickson Chemical Company, Inc.  
 2110 South Prairie  
 Stuttgart, AR 72160

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/cite 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. 46579-9."
- b. Since your data matrix does not give a dielectric breakdown voltage, you must add the following to the use directions:

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

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.

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL <i>[Signature]</i>	DATE <i>8/7/90</i>
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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.



Phil Hutton  
Product Manager (17)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

~~Enclosures~~

**BEST AVAILABLE COPY**

DICCO

RESMETHRIN I  
CONTACT AND SPACE SPRAY

BEST AVAILABLE

A SYNTHETIC PYRETHROID FOR CONTROLLING THE FOLLOWING FLYING AND CRAWLING INSECTS:  
House Flies, Mosquitoes, Gnats, Flying Moths (Millers), Fruit Flies, Vinegar Flies, Wasps, Yellow Jackets, Cockroaches, Waterbugs, Bedbugs, Lice, Fleas, Ticks, Ants, Crickets, Silverfish, and Grain Insects (Adults of Confused Flour Beetles, Saw-Toothed Grain Beetles, Shiny Spider Beetle, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Grain Mites, Carpet Beetles, Sowbugs, Centipedes, Millipedes and Cigarette Beetles.

Authorized by USDA for use in edible product areas of official establishments operating under the Meat Poultry, Shell Egg Products Inspection Programs.

ACTIVE INGREDIENTS:

*Resmethrin [5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate .....	01.00%
** INERT INGREDIENTS .....	99.00%
	<hr/> 100.00%

\*\*Contains Petroleum Distillate  
\*Cis/trans isomers ratio: max. 30%(±)cis and min. 70%(±)trans.  
\*Resmethrin is the 88P-1382\* brand of resmethrin insecticide.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**  
SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

In restaurants and food handling establishments while those facilities are in operation, for surface spray and crack and crevice treatment only. This method is not authorized by USDA for use as noted above.

MANUFACTURED BY:  
Dickson Chemical Co., Inc.  
STUTTGART, ARKANSAS 72160

EPA REG. NO. 46579-  
EPA EST. 46579-AR-1

NET CONTENTS: GALLONS

Approved under Federal Insecticide, Fungicide, and Rodenticide Act as registered for the pesticide use listed under EPA Reg. No. 46579-1  
July 8, 1970  
with comments  
in EPA Letter Direct

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed or absorbed through skin. Avoid contact with eyes, nose, mouth, or clothing. Avoid breathing mist. Clean or remove exposed foods, utensils and food preparation surfaces. Remove pets from area during spraying.

**STATEMENT OF PRACTICAL TREATMENT**

IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting. If product contains petroleum solvent, aspiration may be a hazard.

IN EYES: In case of contact, immediately flush eyes with plenty of water. If irritation persists, consult a physician.

ON SKIN: Wash with soap and water immediately. Get medical attention if irritation persists.

**ENVIRONMENTAL HAZARD**

Do not spray on turf or plants. This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal.

**PHYSICAL AND CHEMICAL HAZARD**

Extinguish open flame before space spraying. This formulation is flammable. STORE NEAR HEAT OR OPEN FLAME.

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

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product should be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then recycle or puncture and dispose of in a sanitary landfill, or by other means approved by local authorities.

## DIRECTIONS FOR USE (Continued)

**FOR USE INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, HOMES, FOOD HANDLING ESTABLISHMENTS, PACKAGING AND PROCESSING PLANTS, SEED HOUSES, COMMERCIAL, INDUSTRIAL, OFFICE, INSTITUTIONAL AND STORAGE BUILDINGS, MILK HANDLING AREAS OF MILK PLANTS, MILK STORAGE ROOMS, EGG PROCESSING PLANTS, SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, CANNERIES, FLOUR AND FEED MILLS, BAKERIES, BOATS, SHIP CABINS, AND HOSPITALS. IN HOSPITALS, REMOVE PATIENTS PRIOR TO TREATMENT. VENTILATE ROOMS FOR TWO HOURS BEFORE RETURNING PATIENTS. ALSO FOR USE IN BUSES, AUTOMOBILES, TRUCKS, BOXCARS, AND SHIP CARGO HOLDS. ALSO FOR USE IN DOG KENNELS AND HORSE STABLES. IN HORSE STABLES, NOT FOR APPLICATION IF HORSES WILL BE USED FOR FOOD.**

Only contact applications may be made when the food processing plant is in operation. When using this product as a space spray in these areas, apply only when the facility is not in operation. When space spraying, foods should be removed or covered during treatment. After space spraying in food processing plants, thoroughly wash all equipment, benches, shelving, etc. where exposed food will be handled with an effective cleaning compound and rinse with potable water.

### INDOORS

**SPACE SPRAY:** To kill house flies, mosquitoes, gnats, flying moths (millers), fruit flies, vinegar flies - Close room or area to be treated. Shut off air conditioner and ventilator system. Seal all open vents. Remove fish and pets. Apply undiluted as a very fine mist space spray through manually operated equipment or with electrical, other powered applicators, or mechanical misting equipment such as the Microsol or Challenger machines. Avoid staining by holding the spray nozzle at least five feet from objects. Direct the fine spray mist toward the corners of the room. Fill the room with a fine mist spray at the rate of 1 fl oz per 1,000 cu ft. Leave room closed for one hour. Ventilate thoroughly before re-entry. Sweep up and destroy insects.

**CONTACT SPRAY:** For treatment of all the following pests, applications may be made in restaurants and all food handling establishments while the facility is in operation taking extreme care not to contaminate food or food handling surfaces.

**TO KILL COCKROACHES, SILVERFISH, EARWIGS, ANTS, WATERBUGS, SPIDERS, FLEAS, CRICKETS, CENTIPEDES, SOWBUGS, MILLIPEDES, CARPET BEETLES:** Apply as a coarse wet spray on walls, floors and other surfaces of bins and storage handling areas, unloading and processing areas being careful to treat cracks and crevices in these places, as well as beneath sinks, inside conveying, processing and handling equipment, and around the bases of heavy machinery equipment.

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

**TO KILL ANTS:** Spray doors, around window frames, ant trails and hills.

**TO KILL BEDBUGS & LICE:** 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 pests, concentrating on tufts, folds and seams. Repeat as necessary.

**TO KILL FLEAS AND TICKS:** Spray directly on insects as well as floors, floor coverings, baseboards, cracks and crevices, infested furniture and animal resting areas. Hold spray nozzle about 18 inches from areas to be treated. Apply spray until area is moist. Treat pet bedding the same way. Also spray entire inside surface of dog houses. Repeat as necessary. Do not allow pets to contact treated areas until spray has dried. Remove or cover animal feed before spraying. Also, treat dogs, cats and horses with a registered flea control product before they re-enter the treated area.

**TO KILL GRAIN INSECTS:** Adults of confused flour beetles, saw-toothed grain beetles, shiny spider beetles, grain weevils, cigarette beetles, Angoumois grain moths, Mediterranean flour moths, Indian meal moths, grain mites - Remove infested grain, cereal or flour and destroy. Avoid contamination of other food and foodstuffs in the area 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 shell paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

**TO KILL WASPS, HORNETS, YELLOW JACKETS:** Application should be made in late evening when insects are at rest. Spray liberally into hiding and nesting places contacting as many insects as possible. Repeat as necessary.

**OUTDOORS:** To control nuisance pests around buildings, patios, and paved areas: Apply as a contact spray. Spray directly on insects. Avoid spraying turf or plants.

**TO KILL FLEAS AND TICKS:** Spray directly on insects as well as floors, floor coverings, baseboards, cracks and crevices, infested furniture and animal resting areas. Hold spray nozzle about 18 inches from areas to be treated. Apply spray until area is moist. Treat pet bedding the same way. Also spray entire inside surface of dog houses. Repeat as necessary. Do not allow pets to contact treated areas until spray has dried. Remove or cover animal feed before spraying. Also, treat dogs, cats and horses with a registered flea control product before they re-enter the treated area.

**TO KILL ANTS:** Spray doors, around window frames, ant trails and hills.

**TO KILL WASPS, HORNETS, YELLOW JACKETS:** Application should be made in late evening when insects are at rest. Spray liberally into hiding and nesting places contacting as many insects as possible. Aim spray at nest openings in bushes, under eaves, chimneys, cracks and crevices to ratification in and around nest openings. Contact as many insects as possible. Repeat as necessary.

**TO KILL EARWIGS, SOWBUGS, SPIDERS, CENTIPEDES, AND MILLIPEDES:** Apply as a contact spray, as for indoor use.

To control named crawling insects around premises, spray thoroughly around doors, window frames, and similar areas of entry. Also, thoroughly spray garbage and refuse areas, especially around poultry houses, barns, and similar areas of heavy infestation. Do not spray on turf or plants.

**THERMAL APPLICATIONS:** For the control of house flies, and mosquitoes - This formulation is to be used undiluted in only such portable thermal applicator equipment that can deliver spray particle sizes within the aerosol size range.

**THERMAL APPLICATIONS INDOORS:** For the control of house flies, mosquitoes, and gnats in warehouses, restaurants and industrial institutions. Remove or cover exposed food and food handling surfaces. Remove animals and plant life. Shut off ventilating systems, air ducts, air-conditioning equipment and close off room or area to be treated. Do not spray while food processing plant is occupied or in operation. Extinguish all flames and pilot lights. Apply as a dry fog at the rate of 1/2 fl oz per 1,000 cu ft

of space. Direct nozzle of thermal applicator toward the upper corners of the room and along the ceiling. Close off room for at least 1 hour. Do not remain in treated areas. Ventilate thoroughly before re-entry.

**THERMAL APPLICATIONS OUTDOORS:** For reduction in annoyance from house flies, mosquitoes and gnats in yards, patios, around swimming pools, picnic areas, camp sites, driveways, and horse stables, and other small area applications. Hold thermal applicator at least 5 ft from any object, especially plants and shrubbery. Avoid wetting any plant foliage. Apply undiluted at the rate of 3-3/4 gal per acre.

Fog only when there is no breeze, or the wind velocity is less than 3 mph. The ideal time is generally at dusk when wind dies down and the air temperature and ground temperature are approximately the same. Under these conditions the fog will linger in the treated area for a longer time. Apply fog while moving away from treated area. Avoid inhalation of the fog. Do not enter the treated area until the fog has dissipated. Repeat application 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.