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1769-315

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

AUG 9 1991

Kelly Rahn
NCH Corporation
2727 Chemsearch Blvd.
Irving, Texas 75062

Dear Ms. Rahn:

Subject: Label revision
Dual Cide
EPA Reg. No. 1769-315
Submission: July 24, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

1. According to reregistration guidelines regarding resmethrin products, outdoor use product labels must include the precautionary statement:

"This pesticide is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, a marshes, and potholes). Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Do not contaminate water when disposing of equipment washwaters."

Sincerely,


Richard F. Mountfort
Product Manager 10
Insecticide & Rodenticide Branch
Registration Division (H7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

EPA 320-4 (12-79)

1-800-451-1989-624-483/10184

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COLUMN 1

NATIONAL CHEMSEARCH

DUAL-CIDE

0.25T AQUEOUS INSECTICIDE SPRAY

ACTIVE INGREDIENTS:

* Resmethrin [5-(phenylmethyl)-3-furanyl)methyl
2,2-dimethyl-4-(2-methyl-1-propenyl) cyclopropene-
carboxylate 0.250%w/w
Related Compounds 0.014%
INERT INGREDIENTS 99.716%
TOTAL 100.000%w/w

* Cis/trans isomers ratio max 30% +/- Cis and min. 70% +/- trans.

U.S. Patent Nos. 3,465,007 and 3,542,928.

U.S. Patent No. 3,683,078

EPA Reg. No. 1769-315

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND
STATEMENT OF PRACTICAL TREATMENT.

NET CONTENTS: _____

NATIONAL CHEMSEARCH

A Division of NCH Corporation
2727 Chemsearch Blvd.
Irving, TX 75062

COLUMN 2

DIRECTIONS FOR USE

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

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.

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ACCEPTED
with COMMENTS
In EPA Letter Dated
AUG 9 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
1769-315

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for use in non-food areas of food handling establishments, in and around premises of commercial, industrial, office, residential, public, institutional and storage buildings, hotels, motels, farms, greenhouses, nurseries, day camps, seed houses, packaging and processing plants, 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, patients should be removed from room prior to treatment. Room should be ventilated for two hours after spraying. Do not return patients to room until after ventilation. Also use on campers, mobile homes, trailers, motor homes, trucks, boats 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.

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

INDOORS

FLYING INSECTS: To kill houseflies, deer flies, stable flies, gnats, fruit flies, flying moths (millers) -- Apply as a space spray. Mix well before using. Fill spray tank with undiluted DUAL-CIDE. Adjust pressure and nozzle to deliver a fine mist spray. Close all doors and windows. Start nozzle upward, direct the spray mist to all parts of the room, especially windows and other light sources which attract these insects. Keep the spray nozzle at all times at least four feet from fabrics to avoid wetting or staining. Fill the room with mist at the dosage of one fluid ounce per 1000 cubic feet of space. Then leave the treated area. Keep the room closed for at least 30 minutes. Ventilate the room when treatment is completed and before reentry.

To kill wasps, hornets, yellow jackets, bees -- Application should be made in 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.

CRAWLING INSECTS: To kill fleas, cockroaches, waterbugs, crickets, silverfish, earwigs, spiders, sowbugs, centipedes, millipedes, grain mites and grain insects (adults and accessible stages of confused flour beetles, red flour beetles, sawtoothed grain beetles, shiny spider beetles, carpet beetles, grain weevils, Anagoumois grain moths, Indian meal moths) -- Apply as a contact spray. Mix well before using. Fill spray tank with undiluted DUAL-CIDE. Keep spray nozzle about 8 to 12 inches from surface to be treated. Adjust pressure and nozzle to deliver a coarse spray with particle size larger than that of the average aerosol.

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Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harboring areas. Spray directly on insects where possible. Repeat as necessary.

*** Grain Insects** -- For control of the insect pests listed above, remove infested grain, cereal or flour and destroy.

Remove contamination of other food and foodstuffs in the area by removing before spraying. Spray directly on exposed stages and in cracks and crevices where grain insects may be hiding. Insects, 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.

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, and trails and hills.

TO KILL 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.

NOT FOR RESALE

COLUMN 3

TO KILL FLEAS ON DOGS, CATS AND PREMISES: Apply directly to animals along back, under forelegs, and on other areas except scrotum and anus. Part hair to contact skin and insure good coverage. Hold nozzle about one foot away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes or mouth of animal. Repeat within 24 hours of first treatment, if necessary. To reduce reinfestation, thoroughly spray the animal's bedding and other resting areas until the surface is slightly moist. Treat these areas at the rate of two seconds per linear foot at a distance of 12 to 18 inches. Also spray the entire inside surface of dog houses. Repeat as necessary, thoroughly spraying floors, cracks, crevices and bedding. Hit as many insects directly as possible. Do not return pets until area has completely dried.

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OUTDOORS

TO KILL HOUSEFLIES, MOSQUITOS, GNATS (midges), DEER FLIES, FLYING MOTHS (Millers), FRUIT FLIES-Spray treating areas to reduce annoyance from these pests. Follow precautions listed above. Hold nozzle 12 to 14 inches from shrubs, rocks, and grassy areas. Spray these areas with a slow sweeping motion at the rate of from 1 to 2 seconds per cubic yard of space, while moving away from the treated areas. Treat open porches and patios in a similar manner. Spray only when air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.

WASPS, HORNETS, YELLOW JACKETS, BEES-Same as directed above for indoor use. Application should be made late in the 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. Repeat as necessary.

ANTS AND FLEAS-Same as directed above for indoor use.

CRICKETS, SILVERFISH, EARWIGS, SPIDERS, SOWBUGS, CENTIPEDES AND MILLIPEDES-Same as directed above for indoor use.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid contact with eyes, skin or clothing. Avoid contact with food and food stuffs. Beware of cats, birds, and other domestic animals before space spraying. Do not use on outside of car. Do not remain in treated areas. Ventilate the area when treatment is complete.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately.

If Inhaled: Remove to fresh air.

If On Skin: Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists. Wash contaminated clothing separately from other laundry.

If In Eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

Environmental Hazards: Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes. This product should be disposed of in a safe landfill.

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STORAGE AND DISPOSAL

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

STORAGE: KEEP CONTAINER CLOSED.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on-site or at 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 incineration, or as allowed by state and local authorities, by burning. If burned, stay out of smoke.

TO REORDER:

In Texas, call 1-800-442-7950

Outside Texas, call 1-800-527-9921

EPA Est. No. 4140

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