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FEB 15 1991

Mr. Gary N. Clark  
NCH Corporation  
2727 Chemsearch Boulevard  
Irving, TX 75062

Dear Mr. Clark:

Subject: Revised Labeling - Formula  
Lual-Cide  
EPA Registration No. 1769-315  
Your Submission Dated September 19, 1990

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

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

Enclosure

61601:J:A-4:Johnson:L10-1:KEVRIC:02/11/91:PERM:DD:WO:EK:CL

CONCURRENCES

SYMBOL	SURNAME	DATE					

COLUMN 1

NATIONAL CHEMSEARCH

DUAL-CIDE

0.25T AQUEOUS INSECTICIDE SPRAY

**ACTIVE INGREDIENTS:**

\* Resmethrin [5-(phenylmethyl)-3-furanyl)methyl  
2,2-dimethyl-3-(2-methyl-1-propenyl) cyclopropane-  
carboxylate ..... 0.250%w/w  
Related Compounds ..... 0.034%

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.

**ACCEPTED**  
FEB 15 1991  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended for the pesticide  
registered under  
EPA Reg. No. 1769-315

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, homes, preschools, 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 for use in campers, mobile homes, 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.

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. Point 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 15 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, Anogonous 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.

Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage 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.

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 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.

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

**CAUTION**

Harmful if swallowed. Avoid contact with eyes, skin or clothing. Avoid contamination of feed and foodstuffs. Remove pets, birds, and cover fish aquariums before space spraying. Do not use on edible crops. 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.

**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, if 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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CA-1 IN-1 NJ-1 PR-1 TX-1

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