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MAY 6 1991

Mr. Joseph A. Conti
Roussel Bio Corporation
170 Beaver Brook Road
Lincoln Park, New Jersey 07035

Dear Mr. Conti:

Subject: Revised Labeling
Chlorpyrifos/Esbiothrin Transparent
Emulsion Spray 0.25% + 0.025%
EPA Registration Number 432-658
Your Application Dated March 8, 1991

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,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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CHLORPYRIFOS/ESBIOTHRIN® TRANSPARENT EMULSION** SP

Offering Residual Kill of Cockroaches For Up To 4 Weeks.

For Residual and Contact Control of Cockroaches (Waterbugs), Crickets, Carpet Beetles, Clothes Moths, Centipedes, Millipedes, Fleas, Earwigs, Fire Ants, Sowbugs (Pillbugs), Spiders, Brown Dog Ticks, Lone Star Tick, Spider Beetles, House Flies, Mosquitoes, Gnats, and Flying Moths.

CONTAINS DURSBAN® INSECTICIDE

ACTIVE INGREDIENTS:

- ★ Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate]..... 0.250%w/w
- d/l-methothione d-trans chrysanthemate 0.025%

INERT INGREDIENTS:

*ESBIOTHRIN®-Registered trademark of Roussel-UCLAF; Paris, France.
 Min. 72% d-trans-Chrysanthemum monocarboxylic ester of d-3-allyl-4-hydroxy-3-methyl-2-cyclopentan-1-one.
 Max 28% Other isomers.
 **Trademark of The Dow Chemical Company, U.S. Patent No. 3,683,078.
 ***U.S. Patent No. 3,683,078.

ACCEPTED
 99-7854
 100.00%w/w
 MAY 6 1991
 Under the Federal Insecticide, Fungicide, and Rodenticide Act,
 as amended, for the pesticide registered under
 EPA Reg. No. 432-658

PRECAUCION AL CONSUMIDOR: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.
(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

**KEEP OUT OF REACH OF CHILDREN
 CAUTION**
 SEE SIDE PANEL FOR ADDITIONAL
 PRECAUTIONARY STATEMENTS AND
 STATEMENT OF PRACTICAL TREATMENT

In food handling establishments, can be used in non-food areas as a contact or residual spray. In food areas, application is limited to spot and/or crack and crevice treatment.

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EPA Est.: See Lot No. For Correlation
 EPA Reg. No. 432-658. A-42545-MO-1 P-1/22/91
 F 1G570-TX-1 P 655-GA-1

NET CONTENTS

ROUSSEL BIO
 CORPORATION
 PO Box 1077, 400 Sylvan Avenue
 Englewood Cliffs, New Jersey 07632

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

Harmful if swallowed. Avoid contact with eyes. In food handling areas, application is limited to contact or residual spray. Do not apply directly to food or feedstuffs. In commercial food or food processing equipment during application, do not eat, drink, or smoke. In the home, all food processing equipment should be thoroughly washed before use. Wash hands and exposed surfaces until spray has dried. Remove pets and children from treated areas until dry.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Induce vomiting by touching back of throat with finger. Do not induce vomiting if unconscious or comatose.
 If in eyes: Flush with plenty of water. Get medical attention.
 If on skin: Wash thoroughly with soap and water.
NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treatment is only by injection of an antidote.

ENVIRONMENTAL PRECAUTIONS

This pesticide is highly toxic to fish. Do not apply near streams, rivers, ponds, or other aquatic areas. Do not apply to lawns, lawns, and golf courses.

PHYSICAL & CHEMICAL PROPERTIES

Do not expose this water-base formulation to heat or fire. Do not use in confined spaces, such as attics, basements, or crawl spaces, because of possible shock hazard. Do not use in areas where water is present.

DIRECTIONS FOR USE

This is a violation of Federal law to use this product in any manner not specified on the label.

STORAGE

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Do not store this water-base formulation in unapproved containers.
PESTICIDE DISPOSAL: Pesticide, spray mixture, or containers that do not conform to label instructions must be disposed of according to local, state, and federal procedures.
CONTAINER DISPOSAL: For Containers Over One Gallon: Triple rinse, then recycle, reuse, or burn. For Containers Under One Gallon: Triple rinse, then recycle, reuse, or burn. Do not puncture or burn. Follow local procedures.

DIRECTIONS FOR USE

DIRECTIONS FOR USE (Continued)

INSTRUCTIONS FOR CONTACT AND RESIDUAL SPRAYS:
FOR USE IN NON-FOOD AREAS INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, PRESCHOOLS, APARTMENT BUILDINGS, COMMERCIAL, OFFICE, INSTITUTIONAL AND STORAGE BUILDINGS, RECREATIONAL BUILDINGS, BOATS, SHIP CABINS, AND HOSPITALS. IN HOSPITALS, REMOVE PATIENTS PRIOR TO TREATMENT. VENTILATE ROOMS FOR TWO HOURS BEFORE RETURNING PATIENTS.

THIS PRODUCT CAN BE USED IN NON-FOOD AREAS, SUCH AS CORRIDORS, OFFICES, FOYERS, LAVATORIES, GARAGES, UTILITY ROOMS, STORAGE ROOMS AND BASEMENTS, OF 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, AND BAKERIES.

In food areas of food handling establishments, application is limited to spot and/or crack and crevice treatment.

ALSO, FOR USE IN AND AROUND CAMPERS, MOBILE HOMES, BUSES, AND AUTOMOBILES. THIS PRODUCT CAN BE USED IN CARGO PLANES, TRUCKS, BOXCARS AND SHIP CARGO HOLDS ONLY IF THE VEHICLES ARE NOT USED FOR TRANSPORT OF FOOD OR FOOD PRODUCTS AT ANY TIME.

ALSO, FOR USE IN DOG KENNELS AND HORSE STABLES. DO NOT SPRAY ON HORSES AND DOGS. DO NOT SPRAY DOG AND HORSE FOOD OR FEED ITEMS.

NOTE TO PEST CONTROL OPERATORS: One gallon (3.79 L) of spray is sufficient to treat 1500 linear feet (457 meters) with a 6 inch (15.2 cm) spray band.

INDOORS - TO CONTROL HOUSEHOLD PESTS

CONTACT SPRAY: KILLS AND REDUCES INFESTATIONS: Cockroaches (Waterbugs), Boxelder Bugs, Scorpions, Spider Beetles, Crickets, Silverfish (Firebrats), Clover Mites, Centipedes, Millipedes, Earwigs, Sowbugs (Pillbugs), Ants, Spiders, Fleas: Spray into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, and storage areas. Spray directly on insects when possible. Repeat as necessary.

ANTS: To kill ants within buildings and homes, spray trails, nests and points of entry. Spray directly on ants where possible. Repeat as necessary.

FLEAS, BROWN DOG AND LONE STAR TICKS: Thoroughly apply as a spot treatment to infested areas such as pets' beds and resting quarters; nearby cracks and crevices; along and behind baseboards, window and door frames and localized areas of floor and floor coverings where these pests may be present. Old bedding of pets should be removed and replaced with clean fresh bedding after treatment. DO NOT TREAT PETS WITH THIS PRODUCT. Treat pets with a product registered for animal application such as SBP-1382c/Bioallethrin Aqueous Pressurized Spray, EPA Reg. No. 432-482, to control the source of flea and tick infestation.

CARPET BEETLES AND CLOTHES MOTHS: Do not spray clothing with this product. Do not allow clothing to contact areas where this product has been used. Spray edges of carpeting and under carpeting, rugs, and closets. Make localized application to the floor and baseboards. Spray directly into cracks, crevices, closets, and infested areas of shelving and/or wherever these insects are seen or suspected. Repeat as necessary.

RESIDUAL SPRAY: Aids in the control of Cockroaches (Waterbugs), Crickets, Boxelder Bugs, Scorpions, Spider Beetles, Silverfish (Firebrats), Centipedes, Millipedes, Earwigs, Sowbugs (Pillbugs). Kills up to 4 weeks. Apply on baseboards, cracks and crevices, around door and window frames, and other hiding places such as closets, in back of and under appliances, sinks and cupboards in kitchens and bathrooms. In basements, apply in hiding places, in cracks and crevices, lower walls and dark places. Spray surfaces until wet, but not to the point of run-off.

PESTS OUT-OF-DOORS

DO NOT TREAT OR ALLOW THE SPRAY TO CONTACT PLANTS (LAWNS, FLOWERING PLANTS, SHRUBS, TREES, EVERGREENS, ETC.) BECAUSE OF POSSIBLE INJURY.

PESTS ON OUTSIDE 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 meter), where pests are active and

EPA Reg. No. 432-658

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, GNATS, FLYING MOTHS, OUT-DOORS: For outdoor use only as an 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.

ANTS, LONE STAR TICKS, CRICKETS, FLEAS, AND EARWIGS OUTDOORS: 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 reinfestation occurs.

TO CONTROL FIRE ANTS: Dilute 1.5 quarts (1.4 L) of this product in 1 gallon (3.79 L) of water. Apply 1 gallon (3.79 L) of solution as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 foot diameter (1.22 m). For best results, apply in cool weather, 65-90°F (18.5-27°C), or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity, and treat all colonies which may not as yet have constructed a mound. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gallon (3.79 L) per mound is still required.

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 by 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.

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