

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

24 MAR 1992

3050-65  
TERM OF ISSUANCE

Conditional

NOTICE OF PESTICIDE:

REGISTRATION  
RERE REGISTRATION

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

NAME OF PESTICIDE PRODUCT

Coyne Formula 274

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Coyne Chemical Company  
3171 Fitzgerald Road  
Rancho Cordova, CA 95742-6801

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; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the label changes listed below before releasing the product for shipment:

- a. Add the phrase "EPA Registration No. 3050-65" to the label.
- b. The accepted common name for the active ingredient ([5-(phenylmethyl)-3-furanyl] methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylate is Resmethrin. The name "Resmethrin" should appear in the active ingredient statement on the label rather than the technical name of this compound.
- c. Delete "Related Compounds" from the active ingredient statement and combine this percentage with the total for the inert ingredients. Do not list "Related Compounds" separately.

(next page)

ATTACHMENT IS APPLICABLE

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SIGNATURE OF APPROVING OFFICIAL

24 MAR 1992

After making the label changes in parts (b) and (c) above, the label ingredients statement should appear as follows:

ACTIVE INGREDIENTS:  
\*Resmethrin.....0.25%  
\*\*INERT INGREDIENTS.....99.75%

- d. The sentence in the IF SWALLOWED section of the STATEMENT OF PRACTICAL TREATMENT should read: Do not induce vomiting or give anything by mouth to an unconscious person.
- e. The ENVIRONMENTAL HAZARDS statement should read as follows:
- This pesticide is highly toxic to fish. Do not apply directly to water or wetlands. Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Do not contaminate water when cleaning of equipment or disposal of wastes.
- f. Delete the use sites "picnic areas", "campsites", and "drive-ins" from the product label, as these are not acceptable for this active ingredient unless the labeling is marked RESTRICTED USE. Since you have not chosen this option, these use sites must be deleted from the product label.
- g. Add to the label, in the appropriate position, the heading "DIRECTIONS FOR USE", followed by the statement: "It is a violation of Federal Law to use this product in a manner inconsistent with its labeling."

3. Submit one (1) copy 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 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.

Sincerely,



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

Enclosures

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SPECIMEN LABEL - FRONT PANEL

PROTECTICIDE<sup>™</sup>  
COYNE FORMULA 274

3050 AL  
3050 CA-1

A PROTECTICIDE<sup>™</sup> Insecticide  
Specifically Designed for Use as a  
Space, Area and Contact Spray.

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

ACCEPTED  
With COMMENTS  
EPA Letter Dated

24 MAR 1992

Under the Federal Insecticide,  
Fungicide, and Herbicide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

ACTIVE INGREDIENTS:

|  |        |
|--|--------|
| *[(5-(phenyl-methyl)-3-furanyl) methyl<br>2,2-dimethyl-3-(2-methyl-1-propenyl)-<br>cyclopropane-carboxylate) ..... | 0.25%  |
| Related Compounds .....  | 0.031% |

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|                            |         |
|----------------------------|---------|
| **INERT INGREDIENTS: ..... | 99.716% |
| TOTAL .....                | 100.0%  |

\*Cis/Trans Isomers ratio: amx. 30% (+) Cis and min. 70%  
(+) Trans. U.S. Patent No. 3465926 and 3465007, Roussel Blo  
Corp.

\*\*Contains petroleum distillates.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

IF SWALLOWED: Call a physician or poison control center immediately. Because of aspiration potential do not induce vomiting unless under direct medical supervision. Do not induce vomiting or give anything to an unconscious person.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

**SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

**AVISO**  
**PRECAUCION AL USUARIO**

Si usted no lee esto, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

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EPA Reg. No. 3050-  
EPA Est. No. 3050-CA-1

Coyne Chemical Company  
11358 Sunrise Gold Circle  
Rancho Cordova, CA 95742

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

Harmful if swallowed. Avoid breathing vapor. Avoid contact with skin, eyes, or clothing. Wear mask or respirator of type recommended by NIOSH (National Institute for Occupational Safety or Health) to give adequate protection against this material. Wear protective clothing. Wash exposed skin with soap and water after handling and before eating. Wash all contaminated clothing with soap and water, separately from other clothing, before reuse. Do not apply directly to food or feedstuffs. When space spraying in commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not space spray while food processing is underway. After space spraying in bakeries and other food processing plants, wash all equipment, benches, shelving, etc. where exposed food will be handled thoroughly with an effective cleaning compound and rinse with potable water. In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Remove pets, and cover fish aquariums before spraying.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water.

**PHYSICAL OR CHEMICAL HAZARDS**

Extinguish open flame before space spraying. **DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. FLASH POINT MINIMUM 150°F (65.5°C).**

**STORAGE AND DISPOSAL**

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

**Storage:** Store in a cool dry place away from heat or open flame. Store on a solid, level surface in an upright position. Keep container closed when not in use. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, filler's earth, etc. Dispose of waste at an approved waste disposal facility.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site according to label instructions or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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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 application may be made when the food processing plant is in operation. In Federally inspected Meat and Poultry Plants, application is not allowed while the 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.

NOTICE: If there is a need to treat such areas as conduits, motor housings, junction and switch boxes or other electrical equipment, de-energize electrical equipment prior to application. After application, allow time for oil to evaporate before starting motors or turning switches to the "ON" position.

#### DILUTION INSTRUCTIONS

If desired, this product may be diluted as follows:

0.20% Resmethrin - Add 1 part of Concentrate to .25 parts of diluent.

0.10% Resmethrin - Add 1 part of Concentrate to 1.5 parts of diluent.

#### INDOORS

SPACE SPRAY: To kill house flies, mosquitoer, 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 or fogging equipment. Avoid staining by holding the spray nozzle at least five feet from objects. Direct the fine spray mist toward the upper corners of the room. fill the room with a fine mist spray at the rate of 3 fl oz per 5,000 cu ft (89 ml per 142 cu m). 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 contaminated food or food handling surfaces. In Federally inspected Meat and Poultry Plants, application is not allowed while the plant is in operation.

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not to contaminate food or food handling surfaces.

**TO KILL COCKROACHES, SILVERFISH, EARWIGS, ANTS, WATERBUGS, SPIDERS, PLEAS, 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. For persistent infestations, consult professional applicator.

**TO KILL PLEAS 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 (46 cm) 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 rain 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 areas 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 WASPS, HORNETS, YELLOWS 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, in-

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fested furniture and animal resting areas. Hold spray nozzle about 18 inches (46 cm) 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 saturation 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 (14.8 ml per 28.3 cu m) 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, drive-ins, 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 (35 liters per hectare). Fog only when there is no breeze, or the wind velocity is less than 3 mph (5 kph). 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 is dissipated. Repeat

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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.

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