

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

EPA REGISTRATION NO.

24 MAR 1992

3050-61

TERM OF ISSUANCE

Conditional

NAME OF PESTICIDE PRODUCT

Coyne Formula 270

NOTICE OF PESTICIDE:  REGISTRATION  
 REREГИSTRATION

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

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. 3050-61" to the label.
- b. The accepted common name for the active ingredient ([5-(phenyl-methyl)-3-furanyl] methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylate is Resmethrin. The name "Resmethrin" should appear on 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

SIGNATURE OF APPROVING OFFICIAL

DATE  
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.....3.0%  
\*\*INERT INGREDIENTS.....97.0%

- 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. In the section titled DIRECTIONS FOR USE, expand the sentence to read as follows: Before application, remove pets, birds, plants, and cover fish aquariums in the area to be treated.
- f. 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.

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.

This Notice of Pesticide Registration supercedes that which was issued dated March 2, 1992 for product 3050-61.

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

SPECIMEN LABEL - FRONT PANEL

**PROTECTICIDE™**  
**COYNE FORMULA 270**

A **PROTECTICIDE™** 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.

ACTIVE INGREDIENTS:

\*[(5-(phenyl-methyl)-3-furanyl] methyl  
2,2-dimethyl-3-(2-methyl-1-propenyl)-  
cyclopropane-carboxylate) ..... 3.00%  
Related Compounds ..... 0.408%

\*\*INERT INGREDIENTS: ..... 96.592%  
TOTAL ..... 100.0%

\*Cis/Trans isomers ratio: amx. 30% (+) Cis and min. 70%  
(+) Trans. U.S. Patent No. 3465928 and 3465007, Roussel Bio  
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 habla inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
**24 MAR 1992**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
3050-61

**PROTECTICIDE** is a trademark of Cardinal Chemical Company Inc. All rights reserved.

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

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

FSIS  
Nov 8 '91

**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.

Jan 23 '82

Jan 2 '91

**BEST AVAILABLE COPY**

## DIRECTIONS FOR USE

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

This concentrate is designed for use undiluted in ULV sprayers which give particles of aerosol size. It can also be diluted with a suitable diluent for use in mechanical misting equipment such as the Microsol or Challenger machines which give larger particles. It can also be diluted with a suitable diluent and applied as a contact spray with mechanical misting equipment or pump sprayers. Before application, remove plants and pets from area to be treated.

**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 placing switches in the "ON" position.

**In horse stables:** Not for application if horses will be used for food. It is advisable to cover delicate furnishings when using this product undiluted.

### FOR USE IN ULV MECHANICAL AEROSOL GENERATORS:

Apply undiluted at the rate of 0.5 fl. ozs. (14.8 ml) of concentrate per 1,000 cu.ft. (28.3 cu. meters) of space. Direct output from aerosol generator upward toward upper corners of room and ceiling. Extinguish all flames in the area to be treated. Shut off all air conditioning or ventilating equipment. Vacate room before application, leave closed for one-two hours after spraying. Ventilate room thoroughly before re-entry.

**SPACE SPRAY:** To kill adult and accessible stages of insect pests of stored foods: grain weevils, flour beetles, saw-toothed grain beetles, cigarette beetles, angoumois grain moths, mediterranean flour moths, indian meal moths, grain mites, carpet beetles and spider beetles. Direct output into corners, under pallets, hitting as many insects as possible, and then treat as a space spray upward toward upper corners of room and ceiling.

**TO KILL HOUSE FLIES, MOSQUITOES, GNATS AND SMALL FLYING MOTHS:** Treat as a space spray, directing output toward upper corners of room and ceiling.

**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. In Federally Inspected Meat and Poultry Plants, application is not allowed while the plant is in operation.

Use the 0.25% spray dilution for the following contact applications:

**TO KILL COCKROACHES, SILVERFISH, EARWIGS, ANTS, 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 BEDBUGS AND 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, concentrate

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ing on tufts, folds, and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

**TO KILL FLEAS:** Hold spray nozzle about 18 inches (46 cm) from areas to be treated. Direct spray on resting areas and floor around these areas. 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 registered flea control product before they re-enter treated areas.

**TO KILL WASPS AND HORNETS:** Contact 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.

#### **FOR MECHANICAL MISTING EQUIPMENT:**

#### **DILUTION INSTRUCTIONS:**

- 0.5% Resmethrin - Add 1 part Concentrate to 5 parts diluent.
- 0.25% Resmethrin - Add 1 part Concentrate to 11 parts diluent.
- 0.2% Resmethrin - Add 1 part Concentrate to 14 parts diluent.
- 0.1% Resmethrin - Add 1 part Concentrate to 29 parts diluent.

For most effective results against flying insects, operate spraying dispenser adjusted to deliver a fine mist. For flying insects, use a 0.10% to 0.25% concentration.

**TO KILL HOUSE FLIES, MOSQUITOES, GNATS, WASPS, HORNETS, and SMALL FLYING MOTHS:** Close all doors and windows. Point nozzle upward, direct spray mist to all parts of the room, especially windows and other light sources which attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least one hour. Ventilate the room before re-entry. Repeat as necessary.

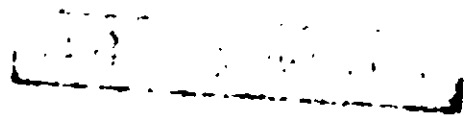
**TO KILL CRAWLING INSECTS:** Adjust spray to produce large wetting type spray particles and use either 0.25% or 0.50% concentration in mechanical misting or pump sprayer.

**TO KILL COCKROACHES, EARWIGS, GRAIN MITES, SOWBUGS, SPIDERS, SILVERFISH, CRICKETS, FLEAS, CENTIPEDES AND GRAIN INSECTS:** (Adult and accessible stages of confused flour beetles, red flour beetles, saw-toothed grain beetles, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths, cigarette beetles): Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborages. Spray directly on insects where possible. Repeat as necessary.

**TO KILL BEDBUGS AND 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 these pests, concentrating on tufts, folds, and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

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Nov 8 '91



**TO KILL FLEAS:** Hold spray nozzle about 18 inches (46 cm) from areas to be treated. Direct spray on resting areas and floor around these areas. 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 treated areas.

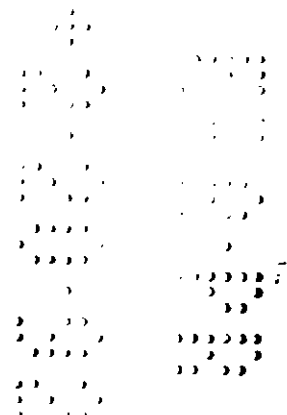
**TO KILL WASPS AND HORNETS:** Contact application should be made in late evening when insects are at rest. Spray liberally into hiding and nesting places, contacting as many insects as possible. Repeat as necessary.

**TO KILL ANTS:** Spray trails, nests and points of entry. Spray on ants where possible. Repeat as necessary.

**THERMAL APPLICATIONS INDOORS:** Use a 0.20% concentration for the control of house flies, mosquitoes and gnats in warehouses, restaurants and industrial institutions. Shut off ventilating systems, air ducts, air conditioning equipment and close off room or areas to be treated. Extinguish all flames and pilot lights. Apply as a dry fog at the rate of 1-1/3 fl. ozs. (39. # ml) per 1,000 cu. ft. (28.3 cu. meters) of space. Direct nozzle of thermal applicator toward the upper corners of the room and along the ceiling. Close off room for at least one hour. Do not remain in treated areas. Ventilate the area before re-entry.

#### **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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