

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

5440-119

DATE OF ISSUANCE

1 DEC 1994

TERM OF ISSUANCE

Conditional

NAME OF PESTICIDE PRODUCT

Cardinal 3-6-10 Insecticide

**NOTICE OF PESTICIDE:** ☐ REGISTRATION  
☐ REREGISTRATION

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Reg # 5440-119

PM-10

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Cardinal Chemical Company  
1233 E. Beamer Street, Suite G  
Woodland, California 95776

**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 and/or 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. Add the phrase "EPA Registration No. 5440-119" to the label prior to releasing the product for shipment.

3. Make the following label revision prior to releasing the product for shipment:

a. The following footnote to the ingredients statement "Equivalent to 1.6%....." is appropriate for a 2% PBO product, and not for a 6% PBO product. Please revise this statement to more accurately reflect the contents of this pesticide product.

b. Revise the "If On Skin or Clothing" statement to read as follows: Wash skin with plenty of soap and warm water. Get medical attention. Remove contaminated clothing and wash before reuse.

c. Expand the statement "Harmful if swallowed" to read as follows: Harmful if swallowed or absorbed through skin.

d. Expand the statement "Avoid contact with skin or eyes" to read as follows: Avoid contact with skin, eyes, or clothing.

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Mr. Marion J. Johnson, Jr., Acting Product Manager, Team 10

DATE

1 DEC 1994

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e. Expand the statement "Wash with soap and warm water after use" to read as follows:  
Wash with plenty of soap and warm water after handling.

f. Include the following statement in the **PRECAUTIONARY STATEMENTS** section of the product label: Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

g. Revise the paragraph which begins "Do not apply directly to processed food" to read as follows:

Cover or remove food prior to treatment of the surrounding area. Do not apply directly to food. Do not apply space spray while food processing is underway. All food processing surfaces and utensils should be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse prior to use.

h. Verify the regulation "CFR Title 21, 172.384". The cited label contains the regulation "172.1182".

i. Revise the statement "All food processing surfaces...", which appears in the paragraph following the heading **Space Spray**, to read as follows: Cover or remove food prior to treatment of the area. All food processing surfaces and utensils should be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse prior to use.

j. Delete the entire paragraph which begins "For Use in Federally Inspected Meat and Poultry Plants". Text of this nature may not be used on the product label until authorization has been granted by the USDA .

k. Delete the following text from the product label. Text of this nature is not acceptable without prior authorization from the USDA.

Additionally, when diluted and used according to label directions, this spray will meet specifications for use under USDA meat, poultry, shell egg grading, and egg products inspection program.

4. 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,

Mr. Marion J. Johnson, Jr.

Acting Product Manager 10

CONCURRENCES

SYMBOL	Insecticide-Rodenticide Branch						
SURNAME	Registration Division						
DATE							

# CARDINAL 3-6-10 INSECTICIDE

- ✓ For Application by Trained Personnel Only.
- ✓ For use in Food Processing Plants, Garages, Homes, Hospitals, Hotels, Industrial Installations, Kennels, Motels, Office Buildings, Railroad Cars, Restaurants, Schools, Theaters, Truck Trailers, Warehouses and Zoos.

## ACTIVE INGREDIENTS:

✓ Pyrethrins.....	3.00%
*Piperonyl butoxide, Technical.....	6.00%
**N-Octyl bicycloheptene dicarboximide.....	10.00%
***INERT INGREDIENTS.....	81.00%
	<hr/> 100.00%

X \*Equivalent to 1.60% (butylcarbityl) (6-propylpiperonyl) ether and 0.40% related compounds.

\*\*MGK (R) 264, Insecticide Synergist

\*\*\*Contains petroleum distillate

PYROCID, MGK (R) - Registered trademarks of McLaughlin King Co.

Keep Out Of Reach Of Children

## CAUTION

### Statement Of Practical Treatment

If Swallowed: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration pneumonia hazard.

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

If On Skin Or Clothing: Wash skin with <sup>plenty of</sup> soap and warm water. Remove contaminated clothing and wash before reuse. <sup>Get medical attention</sup>

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

Net Contents \_\_\_\_\_

Mfg. by: **CARDINAL CHEMICAL COMPANY**  
1233 EAST BEAMER STREET SUITE C  
WOODLAND, CA 95776

EPA Reg. No. 5440-

EPA Est. No. 5440-CA-1

**BEST AVAILABLE COPY**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
1 DEC 1984  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, it is hereby  
registered under FIFRA Sec. 240.  
5440-119

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**PRECAUTIONARY STATEMENTS**  
**Hazards To Humans And Domestic Animals**

**CAUTION**

*or absorbed through skin*

Harmful if swallowed. Contains petroleum distillate. Do not induce vomiting because of aspiration pneumonia hazard. Avoid breathing vapors or spray mist. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II. Avoid contact with skin, *or eyes*, *or clothing*. In case of contact, flush with plenty of water. Wash with soap and warm water after use. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs. *Prolonged or*

*thoroughly* Do not apply directly to ~~processed~~ food. Do not apply space spray while food processing is underway. All food processing surfaces and utensils should be covered during treatment or thoroughly cleaned before reuse. Food processing surfaces and utensils in Federally inspected meat and poultry plants must be washed with an effective cleaning compound followed by a potable water rinse after spraying. *Remove contaminated clothing and wash before reuse. Frequently repeat.*

Remove pets, birds, and cover fish aquariums before spraying.

**Environmental Hazards**

This product is toxic to fish, birds and other wildlife. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters.

**Physical Or Chemical Hazards**

Do not use or store near heat or open flame.

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

Mix well in drum before sampling and each use.

**Directions For Use**

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

**General:** This concentrate is designed for use undiluted in mechanical sprayers which give particles of aerosol size. It can be diluted with refined kerosenes, which meet Food Additive Regulation as defined by CFR Title 21, 172.884, and applied in fogging equipment that give larger than aerosol particle size. It can also be diluted with the oil specified above and applied as a contact spray to kill crawling insects shown later on this label.

172.1182

BEST AVAILABLE COPY

**Space Spray:** Undiluted in aerosol generators - To kill Ants, Boxelder Bugs, Cheese Mites, Cheese Skippers, Clover Mites, Earwigs, Exposed Accessible Stages of Flies, Fruit Flies, Gnats, Hornets, Mosquitoes, Small Flying Moths, Wasps and the following common stored product pests: Angoumois Grain Moths, Cadellies, Cigarette Beetles, Confused Flour Beetles, Dark Meal Worms, Drugstore Beetles, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-Toothed Grained Beetles, Spider Beetles, Tobacco Moths and Yellow Meal Worms:

All food processing surfaces and utensils should be covered during treatment or thoroughly cleaned before reuse. Close room and shut off all air conditioning or ventilating equipment. Apply at the rate of 1 ounce of undiluted concentrate per 1,000 cubic feet of space. Direct output from aerosol generator toward upper corners of room and ceiling. Leave room closed for 1/2 hour and ventilate thoroughly before reentry. Do not apply this undiluted spray in facilities operating under USDA Meat, Poultry, Shell Egg Grading, and Egg Products Inspection Programs.

**Space Spray - Diluted for ordinary mechanical fogging equipment - To kill Flies, Gnats, Mosquitoes and Small Flying Moths:** Cover or remove exposed processed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Dilute Concentrate with oil at the rate of 1 part Concentrate plus 29 parts of oil or 4.5 ounces per gallon and mix well. Apply at the rate of 50 fluid ounces dilute spray (4 gallons) per 25,000 cubic feet of space. Direct fog upward towards upper corners of room and ceiling area. Leave room closed for 1/2 hour. Ventilate room thoroughly before reentry.

**Contact Spray - Diluted for use with sprayers that give large, wetting spray particles to kill Cockroaches and Accessible Stages of Granary Insects:** Cadellies, Confused Flour Beetles, Grain Mites, Granary Weevils, Meal Moth Larvae and Adults, Red Flour Beetles, Rice Weevils and Saw-Toothed Grain Beetles: Cover or remove exposed processed food and close room as described above. Dilute Concentrate with oil at the rate of 1 part Concentrate plus 29 parts of oil or 4.5 ounces per gallon and mix well. Spray outside walls of grain bins, flooring, about base of milling machinery, walls and baseboards, areas behind cabinets, around pipes and other insect harborages using 1 gallon spray per 1,000 square feet of space. Force spray into all cracks and crevices. Repeat applications as necessary.

**Contact and Space Spray - Undiluted - To kill Ants, Crickets, Cockroaches, Earwigs, Silverfish and Spiders, in sheltered situations:** With ULV spraying device, apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Contact as many insects as possible. Do not allow spray to contact stored food. Use at a dosage rate of approximately 1/2 fluid ounce per 1,000 cubic feet of room space. Repeat dosage as necessary for control. Leave the room closed for one hour. Do not remain in treated areas and ventilate area before reentry. Do not apply this undiluted spray in facilities operating under USDA Meat, Poultry, Shell Egg Grading, and Egg Products Inspection Programs.

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**Surface Spray** - To insure maximum control of crawling insects: Ants, Boxelder Bugs, Clover Mites, Drugstore Beetles, Earwigs, Lice and Spider Beetles: Dilute 1 part concentrate plus 29 parts oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture for 750 square feet of surface. Spray walls, floor and other surfaces of bins and storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places. Treat unloading, handling and processing areas and inside conveying processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Spray insect directly when possible.

For in transit protection, clean and spray truck beds, boxcars, and ship-holds before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked. To control Indian Meal Worms, and Angoumois Grain Moths in stored grain, apply to the surface of binned grain at a rate of 1 gallon per 1,000 square feet. Apply at monthly intervals with the first appearance of moths and continuing until early Fall. In case of severe infestation, break up webbing with rake before spraying and make a second application in two weeks.

**Dried Fruit Products in storage or being processed, for control of Confused Flour Beetles, Dried Fruit Beetles, Indian Meal Moths, and Saw-Toothed Grain Beetles:** Remove and destroy infested products. Dilute concentrate with oil at the rate of 1 part concentrate plus 29 parts oil or 4.5 ounces per gallon and mix well. Disperse this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use one-half ounce per 1,000 cubic feet of space. Repeat application at this dosage in any given month. Leave the room closed for one hour. Do not remain in treated areas and ventilate the area before reentry. Sweep up and destroy fallen insects.

**Stored Food:** (Stored in multi-wall bags or cloth bags) in flour mills, grain elevators, granaries, storage rooms, warehouses for control of Angoumois Grain Moths, Cadellles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Confused Flour Beetles, Dark Meal Worms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-Toothed Grain Beetles, Yellow Meal Worms: Remove and destroy infested products. Dilute concentrate with oil at the rate of 1 part concentrate plus 29 parts oil or 4.5 ounces per gallon and mix well. Disperse this product first by directing spray into corners, under pallets, and around stacks of packaged foods hitting as many insects accessible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use a dosage of one-half fluid ounce per 1,000 cubic feet of space. Do not remain in treated areas and ventilate the area before reentry. This application will kill accessible, exposed stages of those stored product pests listed above. Sweep up and destroy fallen insects.

**Zoos:** As a space spray diluted for use in conventional mechanical fogging equipment to kill Flies, Gnats, Mosquitoes, Small Flying Moths: dilute 1 part concentrate plus 29 parts oil (refined kerosene) and mix well. Apply at a rate of 2 fluid ounces per 1,000 cubic feet of space above the animals. Direct spray towards the upper portions of the enclosure filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

**For Use In Federally Inspected Meat And Poultry Plants:** Dilute one part concentrate with 3 parts base oil (refined kerosene) and use with ULV spraying device at the rate of one ounce per 1,000 cubic feet of room space. Apply the spray into all cracks and crevices in woodwork, wall, floors, underneath sinks, behind pipes and in all places where these insects shelter. Contact as many insects as possible. Repeat as necessary for control of exposed or accessible stage of Ants, Earwigs, Flies, Fruit Flies, Gnats, Mosquitoes, Silverfish, Small Flying Moths, Spiders And Waterbugs. Before using, exposed food products and packaging materials must be covered or removed. After use, equipment and utensils must be washed with an effective cleaning compound and rinsed with potable water after use of the product. Use as a space spray only when plant is not in operation.

**Note:** When using oil as the diluent, an odorless light petroleum hydrocarbon as defined by CFR Title 21, 172.884 should be used for all food area and food related applications. ~~Additionally, when diluted and used according to label directions, this spray will meet specifications for use under USDA Meat, Poultry, Shell Egg Grading, and Egg Products Inspection Programs.~~

#### STORAGE AND DISPOSAL

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

**Storage:** Store in a cool, dry place. Keep container closed.

**Pesticide Disposal:** Wastes 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) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved State and Local procedures.