

PM 10 5440-113

10/17

OCT 21 1996

Stan Iverson
Cardinal Chemical Company
1233 E. Beamer Street, Suite G
Woodland, CA 95776

Dear Mr. Iverson:

Subject: Amended Product Labeling
Cardinal 5-1 Food Plant Insecticide
EPA Registration Number 5440-113
Submission Dated October 11, 1996

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below:

1. Move the second paragraph of the Precautionary Statements ("Do not apply directly . . . washed before use.") so that it appears as the second paragraph of the Directions for Use.
2. Revise the Environmental Hazards Statement to read as follows:

"This product is toxic to fish and other aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes."
3. Move the Storage and Disposal Statement so that it appears at the end of the Directions for Use.
4. Delete the sentence "Follow instructions under "Precautionary Statements." from the following sections of the label:
 - a. Indoor Use as a Space Spray, Undiluted
 - b. Indoor Use as a Space Spray, Diluted
 - c. Surface Spray Application

This referral statement is not needed as a result of moving the referenced paragraph from the Precautionary Statements to the Directions for Use.

2077

A stamped copy of the label is enclosed. Please submit three copies of revised final printed labeling prior to releasing product for shipment.

If you have any questions or comments, please contact me at (703) 305-6788.

Sincerely,

RPK

Richard P. Keigwin, Jr.
Product Manager 10
Insecticide-Rodenticide Branch
Registration Division (7505C)

CARDINAL FOOD PLANT 5-1 INSECTICIDE should be used as directed for control of the following insects:

- | | |
|------------------------|---------------------------|
| Angoumois Grain Moth | Horn Flies |
| Ants | Homets |
| Boxelder Bugs | Horse Flies |
| Cadelles | House Flies |
| Cheese Mites | Indian Meal Moths |
| Cheese Skippers | Lice |
| Cigarette Beetles | Mediterranean Flour Moths |
| Clover Mites | Mosquitoes |
| Cockroaches (German) | Mushroom Flies |
| Confused Flour Beetles | Red Flour Beetles |
| Crickets | Rice Weevils |
| Dark Mealworms | Saw Toothed Grain Beetles |
| Deer Flies | Silverfish |
| Dried Fruit Beetles | Small Flying Moths |
| Drug Store Beetles | Spiders |
| Earwigs | Spider Beetles |
| Fruit Flies | Stable Flies |
| Fungus Gnats | Tobacco Moths |
| Gnats | Wasps |
| Grain Mites | Yellow Mealworms |
| Granary Weevils | |

INDOOR USE AREAS: Bakeries, Beverage Plants, Canneries, Cattle Barns, Dried Food Products in Storage or Processing, Flour Mills, Food Processing Plants, Grain Elevators, Granaries, Homes, Horse Barns/Hospitals, Hotels, Industrial Installations, Meat Packing Plants, Motels, Office Buildings, Poultry Houses, Railroad Cars, Restaurants, Schools, Ships' Holds, Stored Food in Multi-Walled Paper or Cloth Bags, Supermarkets, Swine Houses, Truck, Trailers, Warehouses, Zoos.

OUTDOOR USE AREAS: Corrals, Drive-In Restaurants, Drive-In Theaters, Feedlots, Golf Courses, Parks, Playgrounds, Recreational Areas, Swine Yards, Urban Areas, Zoos.

INDOOR USE, UNDILUTED: The use of this product in food processing or food handling establishments (bakeries, beverage plants, canneries, food processing plants, hospitals, hotels, industrial installations, meat packing plants, restaurants, schools, supermarkets and warehouses) should be confined to time periods when the plants or facilities are not in operation. Do not apply directly to food. Follow instructions for treating food handling facilities under "Precautionary Statements".

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.

SPACE AND CONTACT SPRAY APPLICATION. To control accessible adult stages of: Ants, Boxelder Bugs, Cheese Mites, Cheese Skippers, Clover Mites, Cockroaches (German), Crickets, Earwigs, Fruit Flies, Hornets, Mosquitoes, Silverfish, Small Flying Moths, Wasps. And the following common stored product pests: Angoumois Grain Moths, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Spider Beetles, Tobacco Moths, Yellow Mealworms.

Close doors and windows and shut off ventilating systems. Cover or remove any food and food processing equipment before application. Do not apply while food processing is underway. Use a mechanical aerosol generator or a fogger adjusted to deliver aerosol droplets (30 microns or less). Direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas to provide maximum penetration and impingement on the insects. Then treat as a space spray, directing the spray towards the ceiling and upper corners of the area and behind any obstructions. Apply at a rate of 1 ounce per 1000 cubic feet of space. Keep area closed for at least one hour. Vacate treated area and ventilate before reoccupying. After space spraying, all equipment, benches, shelving, etc. where food will be handled must be washed with an effective cleaning compound and rinsed with potable water. Repeat treatment as necessary.

TREATMENT OF STORED FOOD AREAS: Foods in multi-walled bags or in cloth bags stored in warehouses, storage rooms, flour mills, grain elevators and granaries. To control accessible adult stages of: Angoumois Grain Moth, Cadelles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Cockroaches (German), Confused Flour Beetles, Dark Mealworms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Yellow Mealworms.

