

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 602-317	DATE OF ISSUANCE NOV 23 1987
	TERM OF ISSUANCE Until Reregistration	
NAME OF PESTICIDE PRODUCT Purina 5% Dichlorvos (DDVP) Insecticide		

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Purina Mills, Inc.
 800 Chouteau Avenue
 St. Louis, MO 63164

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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.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 602-317."
 - b. Declare the active ingredient as "Dichlorvos" followed with its chemical name in square brackets. Dichlorovinyl should begin with an uppercase D.
 - c. Revise the label to add "or convulsing" before "person" in the "IF SWALLOWED" section.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL _____ DATE 11/23/87

d. Revise the Precautionary Statements to read:

Fatal if swallowed, inhaled or absorbed through skin. Wear rubber gloves and respirator while filling, running, or emptying machine. Do not get liquid in eyes. Avoid contact with skin, eyes, or clothing. Wear protective clothing. Wash hands, arms, and face with soap and water after handling and before eating or smoking. Do not contaminate food products by direct contact with liquid. Wear clean natural rubber gloves, protective clothing, and goggles, face shield or equivalent. Wear a pesticide respirator jointly approved by the Mine Safety and Health Administration and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11 during application, mixing or loading.

e. Change "during treatment" to "before treatment" in the statement "Exposed food should be removed or covered during treatment."

f. "Before" is preferred to "prior to" in the statement "This building should be opened and aired prior to reentry, etc."

g. Revise "Note to Physician" to read as follows:

Symptoms: Symptoms include weakness, headache, tightness in chest, blurred vision, nonreactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

Treatment: Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulations. If there are signs of parasympathetic stimulation, atropine should be injected at 10-minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. Clear chest by postural drainage. Oxygen administration may be necessary. 2-PAM is also antidotal and may be administered in conjunction with atropine. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until cholinesterase regeneration has been attained as determined by blood test.

- h. Since this product contains a solvent which may present an aspiration hazard if the product is accidentally ingested, add the phrase "Contains petroleum distillates" beneath the ingredient statement.
- i. Delete the phrase ". . . during times when that portion of the facility . . . etc." This statement is inconsistent with the precautions to apply product when facilities are not occupied.

3. Submit five (5) copies 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(a). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

Reason For Issue: Product.
For submission to:

Date Issued: 1/8/86 (Green) ⁴⁹⁸

Prev. Date Issued: 5/1/85



PURINA (R)*
BRAND

5% DICHLORVOS (DDVP) INSECTICIDE

EPA Reg. No. 602-

(3-Row Checkerband (R)*)

ACTIVE INGREDIENTS:

2,2-dichlorovinyl dimethyl phosphate** 4.65%

INERT INGREDIENTS 95.35%
TOTAL 100.00%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

**Equivalent to 5% dichlorvos insecticide.

NOV 23 1987

KEEP OUT OF REACH OF CHILDREN

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
602-317

DANGER

(in Red) POISON (Skull and Crossbones) (in Red)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED - Call a physician or Poison Control Center immediately. If possible vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Follow medical advice.

IF INHALED - Remove to fresh air and apply artificial respiration if indicated.

IF ON SKIN - Wash promptly with soap and water. Rinse thoroughly.

IF IN EYES - Flush eyes with plenty of water and call a physician immediately.

NOTE TO PHYSICIAN: Product contains a cholinesterase inhibitor. Atropine should be administered only if symptoms of cholinesterase inhibition appear.

(See additional cautions on side panel.)

* Trademark of Ralston Purina Company

NET CONTENT ___ GAL

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Manufactured By
PURINA MILLS, INC.
800 Chouteau Avenue
St. Louis, Missouri 63164 U.S.A.

FOR USE BY PEST CONTROL OPERATORS, SERVICEPERSONS, AND EMPLOYEES OF FARM AND FOOD PROCESSING PLANTS, AND RELATED INDUSTRIES.

FOR INDUSTRIAL USE IN WAREHOUSES, RAILROAD CARS, STATIONARY TRUCKS, FOOD PROCESSING PLANTS AND RESTAURANTS, BULK GRAIN STORAGE, RICE MILLS, BAKERIES, ANIMAL FEED PLANTS, BEVERAGE, SNACK FOOD, CEREAL PLANTS, CANNING, PACKING PLANTS, PET FOOD PLANTS, PACKAGING PLANTS AND MILITARY INSTALLATIONS.

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Do not get in mouth. Poisonous if swallowed, inhaled or absorbed through skin. Wear rubber gloves while filling, operating or emptying application equipment. Do not get liquid in eyes. Avoid contact with skin, eyes or clothing. Wear protective clothing. Wash hands, arms and face with soap and water after handling and before eating or smoking. Do not contaminate food or feed products. Persons exposed to this product's vapors during treatment should wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11. Keep unprotected persons out of operating areas. Do not allow insecticide or its fumes to drift into areas not being treated.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label, or in accordance with FIFRA Section 2(ee).

DIRECTIONS FOR USE

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

This product is a specially formulated insecticide designed for use in the control of exposed stages of stored products insects infesting warehouses containing nonperishable, packaged or bagged, raw or processed food commodities as well as bulk grains, animal feeds, and tobacco. The term "nonperishable" means any raw or processed food not subject to rapid decay or deterioration that would render it unfit for consumption.

Raw commodities would include cocoa beans, field-dried beans, grains and nuts. Not included are: eggs, milk, meat, poultry, fresh fruits and vegetables, such as onions, parsnips, potatoes and carrots.

Processed foods would include flour, sugar, cereals, packaged goods and crackers. Not included are hermetically sealed foods or manufactured dairy products and other processed foods, requiring refrigeration.

For the control of the exposed stages and the prevention of migration of most species of stored products insects, granary weevils, rice weevils, confused flour beetles, saw-toothed grain beetles, cigarette beetles, Indian meal moths, and cocoa bean moths in warehouse storage areas and bulk grains, animal feeds, and tobacco. In food processing areas of food processing plants and restaurants, in flour, grain and rice mills, bakeries, beverage, pet food, cereal, packaging, canning and bottling plants, and in brewery plants and warehouses and at military installations during times when that portion of the facility receiving the treatment is not in operation.

Use this product in ULV application equipment adjusted to deliver small particles: Micro-Gen, LECO, PRO ULV, Porta-Pak, Fogatron, or similar industrial-type ULV equipment. The rate of application should be between 1-2 grams of actual dichlorvos per 1000 cu. ft. or 1/2 to 1 ounce of liquid (undiluted) per 1000 cu. ft. A lesser dosage can be used as long as the application remains effective. Application for control of insects not named on this labeling is allowable as long as the application is at a site named on the labeling and the application is effective as an aid in control of the target insects.

Check amount of this product in the equipment insecticide tank or auxiliary tank before and after treatment to assure proper product and dosage have been applied. If any problems are encountered, check with your supervisor before proceeding with the application. Return unused insecticide to original container and clean the application equipment outdoors using Micron Generator Cleaning Solution (or similar) before returning to vehicle or storage area. Keep insecticide container tightly sealed when not in use, and agitate contents prior to filling application equipment.

Left Side Panel

Treatment should be made during the hours when buildings are unoccupied. Building should be closed and ventilation kept at a minimum during application of the insecticide. Lock all entrances and do not allow unprotected or unauthorized persons and workers to enter the buildings during treatment period.

Place DANGER signs at all entrances stating: This building should be opened and aired after a 6-hour period prior to re-entry of unprotected workers. If convenient, or preferred, 12 to 16 hours of exposure may be used, in which case ventilation is not necessary. Do not enter prior to _____ o'clock on

_____ without proper protection.
date

If facility employs personnel not able to understand or read English, their supervisor should be sure to explain fully the label cautions and uses and the above-described sign to them.

Repeat treatment as needed for satisfactory control and preventive insect control.

Exposed food should be removed during treatment or thoroughly covered so that no contamination can occur. All food processing surfaces should be thoroughly protected from any possible pesticide contamination during treatment or thoroughly cleaned of pesticide contamination before processing and food contact is resumed. When using the product in these areas apply only when the facility is not in operation.

SPACE SPRAY - Diluted for Ordinary Mechanical Fogging Equipment (Industrial-type): To kill American, brown-banded, German, and oriental roaches, silverfish, fleas, earwigs, ants, spiders, psocids (book-lice), and exposed stages of above named stored products insects in sheltered situations: Dilute to 1% to 3% with refined kerosenes which meet Food Additive Regulation 121.1182 and mix well. Apply as a coarse spray using fogging, misting, or ULV equipment, at the rate of about 2-1/2 ounces per 1000 cu. ft. Contact as many of the insects with the spray as possible. Thoroughly spray all parts of the room suspected of harboring these insects. Special attention should be given to cracks, crevices, hidden crawl spaces, hidden surfaces under equipment, pallets, and food storage areas. Do not use in the edible product areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. Sweep up and destroy dead or fallen insects. Repeat treatment as necessary.

CONTACT SPRAY - Diluted for use with sprayers that give large, wetting particles: Dilute to 1% with refined kerosenes which meet Food Additive Regulation 121.1182. Apply 1 pint (16 fluid ounces) per 1000 square feet of surface. Do not use in the edible product areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. Sweep up and destroy dead or fallen insects. Repeat treatment as necessary.

GENERAL OPERATING INSTRUCTIONS

(For specific operating instructions, refer to Manufacturer's Instruction Booklet. Do not abuse equipment. Be sure equipment is in proper operating condition before using.)

1. Wear specified protective clothing and respirator during loading and application.
2. Having calculated amount of time required for treatment and flow rate required, place machine at farthest point from intended exit.
3. Direct nozzle(s) upward and pointed down aisle, not directly toward any nearby object.
4. Start machine and adjust flow to desired rate. Calibrate if necessary. Refer to equipment operating manual.
5. Operate for calculated time period. Begin by backing along precalculated path at predetermined speed.
6. When treatment time has been completed, stop insecticide flow by closing valve. Wait until spray stops. Then stop the machine and remove it from the area.
7. Allow a six hour treatment period, followed by ventilation. Twelve or sixteen hours of exposure may be used, if convenient or preferred, in which case ventilation is not necessary. Keep unprotected persons out of treated areas until ventilation is completed, or until the 12 to 16 hours of exposure have lapsed.

NOTICE

Buyer assumes all risks of use, storage and handling of this product not in strict accordance with directions given on this labeling.

STORAGE AND DISPOSAL

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

STORAGE: Store in an area separated from food or feed. Keep container tightly closed.

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PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EPA Est. No. 602-M0-1

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