

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

*55395-3296*  
*17/6*

OCT 25 1989

Mr. K.F. Broyles  
Purina Mills, Inc.  
P.O. Box 60047  
St. Louis, Mo. 63166-0847

Dear Mr. Broyles:

Subject: Tetrachlorvinphos Registration Standard  
Purina Brand Residual Livestock Insecticide  
EPA Registration No. 602-301  
Your Applications Dated January 25 and August 9, 1989

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling.

1. The "If In Eyes" statement of practical treatment should be the first entry in this section.
2. Replace "Keep away from heat and open flame" with "Do not use or store near heat or open flame." This statement should appear under the Physical/Chemical Hazards heading.
3. Following the second sentence under "Note to Physician," add "Tetrachlorvinphos is an organophosphate insecticide."
4. Under "Note to Physician" the statement should read ". . . atropine by injection is antidotal."
5. Change "This product is toxic . . ." to "This pesticide is toxic . . ." under the Environmental Hazards section.

55395:I:Hebert:LR-3:KENCO:10/18/89:11/30/89:EK:jh:dg

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

-2-

Submit five (5) copies of your final printed labeling before you release these products for shipment.

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

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

EPA # indicates changes.

Date Issued: 1/27/89 (Yellow)

Prev. Date Issued: 11/28/88

(9-Square Logo)

Front Panel

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

PURINA®  
BRAND

EPA Reg. No. 602-301

001 25 8

RESIDUAL LIVESTOCK INSECTICIDE (3-Row Checkerband)®  
(R.L.I.)

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

LIVESTOCK SPRAY, BACKRUBBER, RESIDUAL SURFACE SPRAY

602 301

EMULSIFIABLE INSECTICIDE

Controls HORN FLIES, LICE, and LONE STAR TICKS on BEEF CATTLE  
and LACTATING DAIRY CATTLE and LICE on SWINE. Aids in control  
of FACE FLIES. (No tissue or milk withdrawal)

ACTIVE INGREDIENT:

Tetrachlorvinphos: 2-chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate .....	24.0%
INERT INGREDIENTS*.....	76.0%
	100.0%

\*Contains Xylene

This product contains the toxic inert ingredient Phenol.

KEEP OUT OF REACH OF CHILDREN

DANGER

See Back Panel for Additional Precautionary Statements

FOR AGRICULTURAL USE ONLY - - - - - (Same Min.  
type size as  
"KEEP OUT OF  
REACH OF  
CHILDREN"  
statement.)

D-5455

NET 1 GAL

Manufactured By  
PURINA MILLS, INC  
P.O. Box 66812  
St. Louis, Missouri 63166-6812 U.S.A.

NET 1 GAL  
PURINA RESIDUAL LIVESTOCK  
INSECTICIDE (R.L.I.)

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 PRECAUTIONARY STATEMENTS
 

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## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## DANGER

Corrosive, causes irreversible eye damage. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, long-sleeved shirt and pants; chemical resistant gloves; shoes and socks. #

May be fatal if swallowed. Avoid breathing spray mist. Wash thoroughly after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Avoid contamination of feed and foodstuffs. Keep away from heat and open flame. Do not apply in dwellings.

## STATEMENT OF PRACTICAL TREATMENT

**If Swallowed:** Call a physician or Poison Control Center immediately. Promptly drink a large quantity of milk, egg whites, gelatin solution or, if these are not available drink large quantities of water. Avoid alcohol. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

**If Inhaled:** Move to fresh air. Call a physician if indicated.

**If On Skin:** Wash thoroughly with soap and water. Rinse thoroughly.

**If In Eyes:** Flush eyes with plenty of water and call a physician immediately.

**Note to Physician:** Contains a high percentage of light petroleum distillate, but probable mucosal damage may contraindicate the use of gastric lavage. If symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.

## ENVIRONMENTAL HAZARD

This product is toxic to fish. Drift and runoff may be hazardous to aquatic organisms in adjacent areas. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water when disposing of equipment washwater. #

This product is highly toxic to bees exposed to direct treatment of blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. #

## DIRECTIONS FOR USE

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

PURINA<sup>®</sup> RESIDUAL LIVESTOCK INSECTICIDE is suitable for use in conventional power or low pressure knapsack sprayers and mechanical or pour-on rubbing devices. Follow the DIRECTIONS FOR USE for the proper percent solution needed for a specific insect problem and use. Refer to the DILUTION TABLE for quantity of insecticide needed at the percent solution recommended. There is no withholding period from last application to slaughter.

## DIRECTIONS FOR BEEF AND LACTATING DAIRY CATTLE AND SWINE USE

Animal	Insect	Use	% Solution	Remarks
Beef	Horn Flies, Face Flies, Lice including Tail Lice	Livestock Spray	0.30%	Apply as coarse spray. Use between 1/2 to 1 gallon of spray per animal, depending on size and hair-coat.
	Lone Star Ticks		0.5%	
Lactating Dairy Cattle	Horn Flies, Face Flies, Lice including Tail Lice	Livestock Spray	0.04%	Apply as coarse spray. Use 1/2 gallon of spray per animal.
Beef and Lactating Dairy Cattle	Horn Flies, Face Flies	Backrubber	1.0%	Mix with #2 diesel oil or any approved back- rubber base oil. Keep backrubber charged.
Swine	Lice	Livestock Spray	0.5%	Apply as coarse spray using 1 to 2 quarts per head to thoroughly wet the animal. Repeat in 2 weeks if required.

## DILUTION TABLE

Amount of PURINA RESIDUAL LIVESTOCK INSECTICIDE	Amount of Water			Amount of Oil (.0% Solution)
	(0.04% Solution)	(0.30% Solution)	(0.5% Solution)	
Pint	74.5 gals	10 gals	6 gals	3 gals
Quart	149.0 gals	18 gals	12-1/2 gals	6 gals
Gallon	595.0 gals	75 gals	50 gals	25 gals

NOTE: Agitate mixture thoroughly before application.

**DIRECTIONS FOR RESIDUAL SURFACE AND LARVICIDE**

**Residual Surface Spray:** Mix 1 gallon of PURINA® RESIDUAL LIVESTOCK INSECTICIDE in 25 gallons of water (1% concentration) and apply as an over-all application to ceilings and walls of dairy barns, livestock sheds, calf barns, hog barns and other farm buildings. Other areas where flies congregate, such as around garbage dumps and corrals, should be sprayed thoroughly. Repeat applications as fly populations warrant. Extreme infestations may necessitate increasing the dosage to 2 gallons PURINA® RESIDUAL LIVESTOCK INSECTICIDE per 25 gallons of water. Applications should be made to the point of run-off. One gallon of spray should treat 500 to 1000 sq. ft. of surface area.

**Larvicide:** Mix 1 gallon of PURINA® RESIDUAL LIVESTOCK INSECTICIDE with 25 gallons of water (1% concentration) and apply 1 gallon of solution for every 100 square feet of dropping under poultry on wire or in cages, or apply around manure, or garbage.

Do not use manure/droppings on land where food crops are to be grown during the current growing season. #

**DILUTION TABLE**

Concentration	Amount of Water		
	1 Gal.	5 Gal.	25 Gal.
Amount of PURINA® RESIDUAL LIVESTOCK INSECTICIDE FOR Residual Fly Control at 1.0%	6 oz.	26 oz.	1 gal.
Amount of PURINA® RESIDUAL LIVESTOCK INSECTICIDE for Larvicide Cleanup at 1.0%	6 oz.	26 oz.	1 gal.

**DIRECTIONS FOR POULTRY USE**

To Control	Type Housing	Strength To Use	Application	Remarks
Flies Residual	All Types	1.0%	1 gal./500-1000 sq. ft.	Apply thoroughly to point of runoff to walls, ceilings, and where flies congregate and feed. Do not apply to the birds.
Larvicide	Wire Cages	1.0%	1 gal./100 sq. ft. of droppings	A thorough coverage and penetration is essential for initial control.

**NOTE:** Regardless of the condition of the droppings apply enough spray to penetrate and kill the larvae. Less spray will be required thereafter provided a regular schedule is followed.

**DILUTION TABLE**

Concentration	Amount of Water			
	1 Gal.	5 Gal.	25 Gal.	100 Gal.
Amount of PURINA® RESIDUAL LIVESTOCK INSECTICIDE 1.00% Concentration	6 oz.	26 oz.	4 qt.	4 gal.

**NOTE:** Agitate mixture thoroughly before application.

**STORAGE AND DISPOSAL**

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

**Storage:** Do not store near heat or open flame. Store in original container in safe place.

**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:** Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved state and local procedures.

QUALITY CONTROLLED BY PURINA RESEARCH

EPA Est. No. 602-MO-1

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