

447891

SEP 10 1993

Mr. Robert Broyles
Purina Mills, Inc.
P.O. Box 66812
St. Louis, MO 63166-6812

Dear Mr. Broyles:

Subject: Amendment - Revise per Agency letter
dated August 2, 1993
Purina Diazinon Granules 5%
EPA Reg. No. 602-292
Your submission dated August 23, 1993

The amendment referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable provided the following revisions are made prior to release for shipment under the amended labeling:

- 1) Under the heading "OVERALL LAWN APPLICATION", in the first sentence of the "SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS", add a comma after "(ducks and geese)", i.e., so that the first sentence reads as follows:

Birds, especially waterfowl (ducks or geese), feeding or drinking on treated areas may be killed.

- 2) In the first listing of lawn insects, correct the spelling of "Crickets".
- 3) Revise the Timing/Special Directions for this same first listing of lawn pests to read as follows:

Apply when grass is dry. Water lawn lightly after application. If necessary, repeat application at 3-week intervals. Make no more than 4 applications per year.

- 4) In the Timing/Special Directions for the second group of lawn insects capitalize the first letter of "Spring" and "Summer".

- 5) In the **Timing/Special Directions** for *Hyperodes* weevils, add a comma after "however".
- 6) Revise the heading of the lawn spreader setting table to read as follows:

LAWN SPREADER SETTING NO.** (To deliver 2 lbs. per 1000 sq.ft.)

The ** (which should appear as superscripts on your label), refers down your current footnote regarding use of other types of equipment. The column heading over the numbers should then read only "Setting".

- 7) Revise the beginning of the first sentence of the **FIRE ANTS** directions to read: "To aid in the control of fire ants in home lawns and other outdoor home recreation areas,".
- 8) Since all the directions for use on vegetables call for immediate soil incorporation, revise "Unless directions under **Timing/Special Directions** state otherwise, applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application." to read "Applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.".
- 9) In the directions for use on **Beans**, correct the spelling of "Lima" in the **CROP** listing column.
- 10) In the **Environmental Hazards**, add a comma after "Birds, especially waterfowl (ducks or geese)", i.e., so that the second sentence reads as follows:

Birds, especially waterfowl (ducks or geese), feeding or drinking on treated areas may be killed.

A stamped copy of the label is enclosed for your records. Labeling released for shipment after the deadline imposed by the Diazinon Registration Standard, as amended, must be the revised amended label.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide Rodenticide Branch
Registration Division (H7505C)

Reason For Issue:
Label changes per Reregistration letter from
Ciba Geigy dated 6/14/93.

Date Issued: 8/5/93 (Green)
Prev. Date Issued: Non:
Document Name: DIAZ5%.GRE

PURINA®
BRAND

DIAZINON * GRANULES-5%

LAWN & GARDEN
INSECT CONTROL

ACCEPTED
with COMMENTS
in EPA Letter Dated

SEP 10 1993

This Product Must Not be Used
On Golf Courses and Sod Farms.

For outdoor use on the home lawn and
in the home garden only.

Ready-to-use Granules.
Contains 5% Diazinon
Insecticide

Treats up to 5000 square feet.

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

602-292

Active Ingredient:

Diazinon: 0,0-Diethyl 0-(2-isopropyl-6-methyl-4- pyrimidinyl) phosphorothioate.....	5%
Inert Ingredients	95%
Total	100%

Diazinon Granules 5% Kills:

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE ADDITIONAL PRECAUTIONARY STATEMENTS
ON BACK OF BAG

- | | |
|-----------------|-------------------|
| Ants | Fire Ants ** |
| Armyworms | Fleas |
| Bermudagrass | Onion maggots |
| mites | Root maggots |
| Billbugs | Sod webworms |
| Brown Dog ticks | White grubs of: |
| Chiggers | . Japanese beetle |
| Chinch bugs | . European chafer |
| Crickets | . Southern chafer |
| Cutworms | Wireworms |
| Earwigs | ...and others |

**Aids in control

See Directions
For Use

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NET WT 10 LB

G-2647
EPA Reg. No. 602-292

EPA Est. NO. 602-MO-1

*Diazinon is a registered trademark of CIBA-GEIGY Corporation.

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

PURINA DIAZINON GRANULES-5%
BRAND

In Lawns Diazinon Granules-5% Kills:

Ants	Fleas
Armyworms	Lawn moths
Bermudagrass mites	Leafhoppers
Billbugs	Millipedes
Brown dog ticks	Sod webworms
Chiggers	Sowbugs
Chinch bugs	Springtails
Clover mites	White grubs of:
Crickets	.Japanese beetle
Cutworms	.European chafer
Digger wasps	.Southern chafer
Earwigs	
Fire ants**	**Aids in control

In Gardens Diazinon Granules-5% Kills:

Onion maggots	Root maggots
Cutworms	Mole crickets
Wireworms	

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions For Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND WARRANTY

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Purina Mills, Inc., or the Seller. All such risks shall be assumed by the Buyer.

Purina Mills, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use subject to the inherent risks referred to above. Purina Mills, Inc. makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Purina Mills, Inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Purina Mills, Inc. and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Purina Mills, Inc.

DIRECTIONS FOR USE

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

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OVERALL LAWN APPLICATION

Special Precautions To Reduce Risk To Birds

Birds, especially waterfowl (ducks or geese) feeding or drinking on treated areas may be killed. To reduce risks to birds:

1. Do not treat areas larger than 14,000 sq. ft.
2. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20.
3. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl.
4. Avoid overlapping treated areas.
5. Follow all watering instructions in the directions for use, however, stop watering before puddling occurs.
6. Do not apply this product to sites occupied by waterfowl or to sites within 75 ft. of any body of water that may attract waterfowl, such as lakes or ponds.
7. If it is necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than 4 applications per year.

PURINA Diazinon Granules-5% controls certain lawn insects on both grass and dichondra lawns. Apply Diazinon Granules 5% with fertilizer spreader. Refer to the tables that follow for use rates and spreader settings.

Pest	Rate*	Timing/Special Directions
Ants, Armyworms, Bermudagrass mites, Brown dog ticks, Chiggers Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Leafhoppers, Millipedes, Sowbugs (Pillbugs), Springtails (Collembola)	2 lbs. per 1000 sq. ft.	Apply when grass is dry. Water lawn lightly after application at 3-week intervals. Make no more than 4 applications per year.
Billbugs, White grubs of Japanese beetle, European chafer, Southern chafer, <i>Atenius spretulus</i> (dung beetle)	2 lbs. per 1000 sq. ft.	Water grass at least 1/4 inch of water after application, however, stop watering if puddling occurs. For billbug control, apply when activity is first observed or when chewed grass indicates damage. If necessary, repeat application at 3-week intervals. Make no more than 4 applications per year. For grub control, except dung beetle, treat any time between late July and early October. For dung beetle grub control, apply in spring or summer when damage is first noticed. Water grass with at least 1/4 inch of water application,

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however stop watering if puddling occurs. Treat again in late Summer or early Fall if a second generation occurs.

Hyperodes weevils 2 lbs. per 1000 sq. ft. Water grass with at least 1/4 inch of water after application, however stop watering before puddling occurs. Treat problem areas in mid-April and again in mid-May.

*1,000 sq. ft. = an area 20 ft. x 50 ft.
100 sq. ft. = an area 10 ft. x 10 ft.
2 lbs. per 1000 sq. ft. = 3.2 oz. per 100 sq. ft.

Note: The spreader settings listed below are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust the spreader setting, if necessary, in order to assure correct rate of application.

LAWN SPREADER SETTING NO. (per 1000 sq. ft.)	
Spreader Make and Model	Lawns/2 lbs.
Central Imperial	
Mark No. 1662-G	6-1/2
Central Suburbia Lawn	
Spreader - No. 1622-0	6-1/2
Cyclone Model B1 Rotary	4-1/2
Greenfield Model 105	6-1/2
Ortho Drop Spreader	
Model 3000	4-1/2
Ortho Broadcast Spreader	
Model 4000	4-1/2
J. C. Penney Model 6005	7-1/4
J. C. Penney Rotary	
Spreader	5
Scott Precision Flow Spreader	
Model PF-4	4
Sears Craftsman Model	
671.19198	6

**For application with other types of equipment, apply at the rate of 2 lbs. per 1000 sq. ft.

Spot Treatment Lawns:

Ants: Apply 1-1/2 teaspoons of PURINA Diazinon Granules-5% over and around each ant hill.

Fire Ants: To aid in the control of fire ants in lawns and other outdoor home recreational areas, apply 1/2 cup over and 2 ft. around each fire ant mound. Immediately after application, water in thoroughly. Apply gently to avoid disturbing ants. Use of high pressure watering equipment may disturb the ants and cause migration, reducing product effectiveness. A minimum of 1 gallon of water should be applied to each mound area. Reapply as necessary.

Notes: For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Works within 24 hours. No waiting for days or weeks. Treat new mounds as they appear.

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PURINA® DIAZINON GRANULES-5%
BRAND
Directions For Use - Continued

Digger wasps: Apply 1-1/2 teaspoons of PURINA Diazinon Granules-5% in and around each nest opening. Apply at dusk when wasps are not active.

Band Treatment Around House Foundation:

The following pests are commonly found around or near house foundations, and may enter the house.

- | | |
|-----------------|--------------------------|
| Ants | Fleas |
| Brown dog ticks | Millipedes |
| Clover mites | Sowbugs (Pillbugs) |
| Crickets | Springtails (Collembola) |
| Earwigs | |

Apply a 2-foot band of PURINA Diazinon Granules-5% next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. of area (5' by 20') treated. If necessary, repeat application at 3-week intervals.

Vegetables - Insect Control:

Special Precautions To Reduce Risk To Birds

Birds feeding on treated areas may be killed. To reduce risk to birds:

1. Thoroughly mix Diazinon Granules 5% into the soil during or immediately after application. Refer to the Soil Incorporation table that follows.
2. Granules that are spilled or are visible on soil surface should be covered with soil or thoroughly mixed into the soil.

PURINA Diazinon Granules-5% controls certain garden insects on crops listed in the following tables. Apply uniformly as directed for each crop. When a range of rate is given, use the higher rate only for heavier infestations.

Do not apply this product to food crops grown in greenhouses.

Unless directions under "Timing/Special Directions" state otherwise, applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.

SOIL INCORPORATION

Insect	Depth of Mixing or Incorporation into Soil
Surface cutworms*	2-3 inches
Subterranean cutworms*	3-6 inches
Mole crickets	1-2 inches
Root maggots	3-4 inches
Wireworms	4-8 inches

*If type of cutworm cannot be identified, mix into soil 4-6 inches deep.

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PURINA[®] DIAZINON GRANULES-5%
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 Directions For Use - Continued

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beans (Lima, Pole and Snap) (succulent only)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
NOTE: Do not use on dried bean varieties, such as pintos, dried limas, or navy beans			
Beets, Red (Table)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	
Broccoli	Root Maggots	7-10-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq. ft.	
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	
Brussels Sprouts	Root Maggots	7-10-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq. ft.	
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	
Cabbage	Root Maggots	7-10-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq. ft.	
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	
Carrots	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	

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PURINA[®] DIAZINON GRANULES-5%
 BRAND
 Directions For Use - Continued

Cauliflower	Root Maggots	7-10-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before plant- ing or transplanting.
	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Celery	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
Collards	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Cucumber	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
Endive (Escarole)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Kale	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Lettuce	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, & Hybrids of these) and watermelons	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	

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Directions For Use - Continued

Mustard	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Onions (green and bulb)	Onion Maggots	7-14 oz. per 500 sq. ft.	Broadcast just before planting and mix into the top 3-4 inches of soil by disking, harrowing, or other suitable means. NOTE: Resistant onion maggots will not be controlled by diazinon or similar type insecticides.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Parsley	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Peas (succulent only)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
NOTE: Do not use on dried pea varieties such as dried blackeyed peas.			
Peppers	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Potatoes	Cutworms (Surface & Subterranean)	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz.	
Radishes	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Spinach	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Squash, (Summer and Winter)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.

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PURINA [®] DIAZINON GRANULES-5%
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 Directions For Use - Continued

Sweet Corn	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
Sweet Potatoes	Seed Corn Maggots	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil 2 inches just before planting.
	Wireworms Flea Beetles	10-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Swiss Chard	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
Tomatoes	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Turnips	Mole Crickets	3-1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10-1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.

STORAGE AND DISPOSAL

Storage: Store in original container in a cool, dry, well-ventilated area. Store product in an area inaccessible to children and domestic animals. Do not store near fertilizers, herbicides, other insecticides, seeds, food, or feed.

Pesticide Disposal: Securely wrap original container in several layers of newspaper and discard in trash.

Container Disposal: Do not reuse empty bag. Discard bag in trash. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire or other emergency, call 1-800-888-8372 day or night.

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed or absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. Do not store near food or feed products. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides. Do not contaminate ornamental fish ponds. Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

STATEMENT OF PRACTICAL TREATMENT

- If swallowed: Call a physician immediately. Drink one or two glasses of water and induce vomiting by touching back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.
- If inhaled: Remove victim to fresh air and apply respiration if indicated.
- If on skin: Wash promptly with soap and water. Rinse thoroughly. Get medical attention.
- If in eyes: Rinse eyes with plenty of water and call a physician immediately.

Note to Physician

This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish and other wildlife. Birds, especially waterfowl (ducks or geese) feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds. Avoid overlapping granules. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil.

For lawns, follow all watering instructions in the directions for use, however, stop watering before puddling occurs. For lawns, do not apply this product to sites occupied by waterfowl, or within 75 ft. of any body of water which may attract waterfowl, such as ponds or lakes.

Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to fish and other aquatic organisms in neighboring areas.

Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.