

APR 12 1991

Mr. Daniel Paradiso  
The Andersons Lawn Fertilizer Division  
d/b/a Free Flow Fertilizer  
P.O. Box 119  
Maumee, OH 43537

Dear Mr. Paradiso:

Subject: Amendment - Revise per Diazinon Registration Standard  
Turf Care Lawn Insecticide  
EPA Reg. No. 9198-61  
Your submission dated April 13, 1990

The labeling 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) Diazinon products labeled for outdoor use must specify a limitation to home lawn (and/or home garden) use to avoid triggering the Restricted Use classification. The following clarification of the intended use site should be added to the front panel, preferably directly beneath the prohibition against use on golf courses and sod farms:

For outdoor use on the home lawn

- 2) The term "Inert Ingredient" must be in the same type size and style as the term "Active Ingredient".
- 3) As you are aware, there are a number of label elements with type size minimums. Please be certain that your finished labels meet all type size requirements.
- 4) Revise the Environmental Hazards section to read as follows:

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, 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 and waterfowl. Avoid overlapping granules. For lawns,

where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), water lawn with at least  $\frac{1}{4}$  inch of water immediately after applying this product, however, stop watering before puddling occurs. 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 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.

- 5) In the list of pests controlled which appears at the beginning of the directions for use (under "TURF CARE LAWN INSECTICIDE 2% DIAZINON KILLS"), revise "Bermuda Grass Mites" to "Bermudagrass Mites".
- 6) In the lawn use "Precautions", revise the end of fourth sentence to read "... hazards to birds and waterfowl.". In the sixth sentence of this same section, revise "i.e., ducks, geese," to "i.e., ducks or geese,".
- 7) Delete the last sentence from the end of the directions for control of billbugs and white grubs. That sentence (from Ciba-Geigy's label) pertains to control of the second generation of dung beetles, a pest which appears on Ciba-Geigy's label but is not claimed on your label.
- 8) The lawn spreader setting table should contain specific recommendations for typical homeowner-use spreaders and must reflect the single acceptable rate of 5 lbs. per 1000 sq. ft.. No spreader chart was included on the submitted label. Based on Ciba-Geigy's label for their 2% granular diazinon lawn use product (and assuming a similar product particle size and density) an appropriate lawn spreader setting chart would be:

**LAWN SPREADER SETTING NO. (To deliver 5 lbs. per 1000 sq. ft)**

**Spreader Make and Model**

**Setting**

|   |                 |
|---|-----------------|
| Central Imperial Mark No. 1662-G          | 7 $\frac{1}{2}$ |
| Central Suburbia Lawn Spreader No. 1622-0 | 7 $\frac{1}{2}$ |
| Cyclone Model B1 Rotary                   | 6               |
| Greenfield Model 105                      | 8               |
| J.C. Penny Model 6005                     | 8 $\frac{1}{2}$ |
| J.C. Penny Rotary Spreader                | 8               |
| Scott Precision Flow Spreader Model PF-4  | 6 $\frac{1}{2}$ |
| Sears Craftsman Model 671.19198           | 7 $\frac{1}{2}$ |

A stamped copy of the label is enclosed for your records. Please submit five copies of the revised amended label prior to release for shipment under the amended label. Labeling released for shipment after the August 31, 1991 deadline imposed by the Diazinon Registration Standard should be the revised amended label.

Please note that, as with several of your other diazinon products, there appears to be some confusion regarding the official name of record for this product. This time, fortunately, the variation is such that you need only confirm in writing that you intend the official name of record for this product to be "Turf Care Lawn Insecticide 2% Diazinon". When Mr. Tim Birthisel filed the original application for this product in 1980, he indicated that to be the name in his cover letter and on the label, but he used a shortened name "Turf Care Lawn Insecticide" on the EPA Pesticide Registration Application Form and on associated support documents. Based on that form, the Agency has consistently shown the shortened name on its written correspondence to your company regarding this product, including the Notice of Registration dated January 28, 1981. Unfortunately, the Agency's computer records now show the longer version of the name (i.e., including "2% Diazinon"), probably based on a data entry person reading the name on the product label. Correspondence from you, including the present label submission, has generally indicated the longer version of the name. However, your Notification to the Agency dated November 15, 1988 showed the shortened "official" product name. Presumably to aid in identification of this product, since your company has so many lawn insecticides registered, you would want the longer name to be the official name of record. Since this name already appears on the label, including in the Directions for Use (and, for that matter, in the Agency's computer records), if you would merely indicate in writing to the Agency that you would like the official name of record for this product to be revised to "Turf Care Lawn Insecticide 2% Diazinon" then we can indicate that change on this product's official folder and, hopefully, we can both start to be consistent in our referrals to this product's name. You may file that request together with the revised amended labeling. Thank you for your cooperation.

Sincerely yours,

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

(front panel)

TURF CARE LAWN INSECTICIDE

2% DIAZINON

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOO FARMS

ACTIVE INGREDIENT:

|  |         |
|--|---------|
| Diazinon: 0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) | 2.00%   |
| phosphorothioate   |         |
| INERT INGREDIENTS  | 98.00%  |
| TOTAL  | 100.00% |

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel For Additional Precautionary Statements

NET WEIGHT 10 LBS.

TREATS 2,000 SQ. FT.

**BEST AVAILABLE COPY**

EPA Reg. No. 9198-61

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 12 1991

EPA E.L. 9198-OH-1

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

9198-61

9198-61

(back panel)

NET WEIGHT 10 LBS.

TREATS 2,000 SQ. FT.

TURF CARE LAWN INSECTICIDE

2% DIAZINON

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION**

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing dust and contact with eyes, skin, or clothing. Wash thoroughly after handling and before smoking or eating. May cause contact sensitization following repeated contact with skin of susceptible individuals. If sensitization reactions result, contact a physician. Do not store near food or feed products. Food utensils such as tablespoons 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 onto the treated area until granules have been watered in and the grass has dried.

**STATEMENT OF PRACTICAL TREATMENT**

**If swallowed:** Call a physician immediately. Drink one or two glasses of water and induce vomiting by touching the 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 artificial respiration if indicated.

**If on skin:** Wash promptly with soap and water. Rinse thoroughly.

**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.

**BEST AVAILABLE COPY**

## ENVIRONMENTAL HAZARDS

This product is highly toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water or wet areas (swamps, bogs, marshes, and potholes). Runoff may be hazardous to aquatic organisms in neighboring areas. Collect or incorporate granules that are spilled during loading or are visible on soil surfaces in turn areas. Do not contaminate water by disposal of equipment washwaters. 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. Rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of granules. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Application should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

## DIRECTIONS FOR USE

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

### TURF CARE LAWN INSECTICIDE 2% DIAZINON KILLS:

Ants  
Armyworms  
Bermuda Grass Mites  
Billbugs  
Brown Dog Ticks  
Chiggers  
Chinch bugs  
Clover mites

Crickets  
Cutworms  
Digger wasps  
Earwigs  
Fleas  
Lawn moths  
Leafhoppers  
Millipedes

Springtails  
Sod Webworms  
Sowbugs  
White grubs of:  
- Japanese Beetle  
- European chafer  
- Southern chafer

**BEST AVAILABLE COPY**

## OVERALL LAWN APPLICATION

To control the following lawn insects on both grass and dichondra lawns, this product should be applied at 5.0 lbs. per 1000 sq. ft. Application should be made when grass is dry. Water lawn lightly after application. Repeat application in 7-10 days if necessary.

Ants - Armyworms - Bermudagrass mites - Brown Dog Ticks - Chiggers - Chinch bugs - Clover mites - Crickets - Cutworms - Earwigs - Fleas - Lawn moths(sod webworms) - Leafhoppers - Millipedes - Sowbugs - Springtails(Collembola)

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping treated areas. If waterfowl, i.e., ducks, geese, can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least 1/4 inch water immediately after application, however, stop watering before puddling occurs.

Billbugs: White grubs of Japanese beetle, European chafer, Southern chafer: Apply 5 lbs. per 1000 sq.ft. of lawn. Water grass thoroughly after application. For Billbug control, apply when activity is first observed or when chewed or brown grass indicates damage from these insects. Repeat as necessary. For grub control treat any time between late July and early October. Water grass thoroughly with 1/4-1/2 in. of water after application. Treat again in late Summer or early Fall if a second generation occurs.

### Hyperodes Weevils

Apply 5 lbs. per 1000 sq.ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

## SUGGESTED SPREADER SETTINGS

(available at final printing)

NOTE: Above spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied and roughness of area treated. Calculate the size of area to be treated and do not over or under apply. Be sure to shut off spreader while turning or stopping to prevent accidental over-application and burning of grass. Fill spreader on driveway or sidewalk to eliminate chance of spillage on grass. Do not hand spread.

**BEST AVAILABLE COPY**

## 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.

## WARRANTY STATEMENT

MANUFACTURER warrants that this product (1) conforms to the ingredient statement on the label and (2) is reasonably fit for the purposes set forth in the Directions for Use. EXCEPT AS SO WARRANTED, THE PRODUCT IS SOLD AS IS. MANUFACTURER MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.

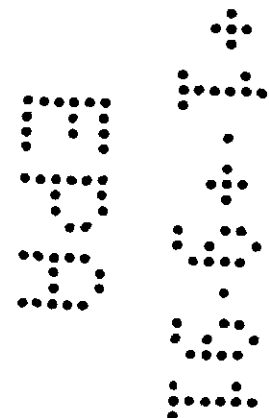
The manufacturer's directions regarding use of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed, under normal use conditions. FOLLOW DIRECTIONS CAREFULLY. Timing and method of application, weather and turf conditions, mixture with other chemical not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer.

Manufactured by:

The Andersons  
Lawn Fertilizer Division  
P.O. Box 119  
Maumee, OH 43537

:9198-61

4/12/90



BEST AVAILABLE COPY