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JUL 25 1990

Mr. Russell Sawyer
Riverdale Chemical Company
220 East 17th Street
Chicago Heights, IL 60411

Subject: Amendment: Revise per Diazinon Registration Standard
and the Agency's May 1, 1990 Data Call-In letter
to reflect only those uses supported by Ciba-Geigy
Riverdale Lawn Insect Killer Plus Fertilizer
EPA Reg. No. 228-162
Your submission received January 18, 1990

Dear Mr. Sawyer:

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) In the Hazards to Humans and Domestic Animals, add "Do not contaminate ornamental fish ponds."
- 2) Revise the "Statement of Practical Treatment" and the associated "Note to Physician" to read as follows:

If swallowed - Call physician or Poison Control Center immediately.
Drink one or two glasses of water and induce vomiting by touching back of 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 necessary.

If on skin - Wash promptly with plenty of 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.

3) Revise the Environmental Hazards text to read as follows:

This pesticide 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. 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), apply a minimum of 1/4 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). 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 washwaters.

- 4) Under the headings "CONTROLS THESE INSECTS" and "OVERALL LAWN APPLICATION", revise the pest name "Bermuda mites" to "Bermudagrass mites".
- 5) Based on field studies, Ciba-Geigy is supporting only one application rate for lawns regardless of the type of lawn or type of pest. For this product, that rate is 4.6 pounds per 1000 sq. ft., which is the basic rate given on your label. No higher rate should appear. Therefore, delete "For heavy lawns such as St. Augustine Grass, application should be increased to 6.98 pounds per 1000 Sq. Ft.". Add "For best results, the lawn should be dry before application.". Revise the rate for billbug and white grub control to 4.6 lbs per 1000 sq ft.
- 6) For the reason given in item "5" above, delete the heading and associated column "6.0 lbs per 1000 Sq. Ft." from the spreader setting table. Also, update the model number for the Scott drop spreader to "Scott Precision Flow Drop Spreader, model PF4".

A stamped copy of the label is enclosed for your records. Please submit five (5) copies of the revised amended label prior to release for shipment under the amended labeling. Please refer to the Diazinon Registration Standard, as amended, for release for shipment and channels of trade dates for diazinon products bearing appropriately amended labels.

Sincerely yours,

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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 25 1990

RIVERDALE

LAWN INSECT KILLER
PLUS FERTILIZER

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.
228-162

Controls these insects in turf: European Chafer, Japanese Beetle Grub, Sod Webworm, Chinch Bug and many others.

See side panels for complete list of pests controlled.

This package treats up to 6,500 Sq. Ft.

This product must not be used on golf courses and sod farms.

ACTIVE INGREDIENT:

Diazinon [0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl)
phosphorothioate] 2.10%

INERT INGREDIENTS: 97.90%
TOTAL 100.00%

GUARANTEED ANALYSIS:°

Total Nitrogen (N) 10%
 Ammoniacal Nitrogen
 Urea Nitrogen
Available Phosphoric Acid (P₂O₅) 6%
Soluble Potash (K₂O) 4%

Primary Plant Foods derived from Ammonium Phosphate, Sulfur Coated Urea, Urea, Triple Super Phosphate, and Muriate of Potash

Chlorine (Cl) Maximum 4%

The urea nitrogen in this product has been coated to provide % coated slow release urea nitrogen.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS
AND STATEMENT OF PRACTICAL TREATMENT

EPA REG. NO. 228-162

NET WEIGHT - 30 POUNDS

EPA EST. NO. 228-1L-1

Manufactured By

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

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PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust and contact with eyes, skin and clothing. May cause contact sensitization following repeated contact with skin in susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result consult a physician. Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil has dried. Wash thoroughly after handling and before smoking or eating.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Move victim to fresh air. Apply respiration if necessary.

IF ON SKIN: Wash thoroughly with soap and water.

IF IN EYES: Flush eyes with plenty of water. If irritation persists get medical attention.

NOTE TO PHYSICIAN: If symptoms of cholinesterase inhibition occur, administer atropine therapeutically.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish and wildlife. Birds feeding in treated areas may be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Runoff maybe hazardous to aquatic organisms in neighboring areas. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas. Do not contaminate water when disposing of equipment washwaters.

Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product 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 (except for effluence from treated watercress beds). 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.

DIRECTIONS FOR USE

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

5 1X 10

CONTROLS THESE INSECTS

- | | |
|-------------------|-----------------------|
| Ants | Earwigs |
| Armyworms | European Chafer |
| Bermuda Mites | Fleas |
| Bluegrass Billbug | Japanese Beetle |
| Brown Dog Ticks | Leafhoppers |
| Chiggers | Millipedes |
| Chinch Bug | Sod Webworm |
| Clover Mites | Southern Chafer Grubs |
| Crickets | Sowbugs |
| Cutworms | Springtails |

OVERALL LAWN APPLICATION

To control the following lawn insects on both grass and dichondra lawns: Chinch Bugs, Earwigs, Ants, Lawn Moths (Sod Webworms), Bermuda Mites, Crickets, Armyworms, Brown Dog Ticks, Chiggers, Clover Mites, Cutworms, Fleas, Leafhoppers, Sowbugs, Millipedes and Springtails (Collembola) -

Apply at the rate of 4.6 lbs. per 1000 Sq. Ft. (an area 20' x 50'). For heavy lawns such as St. Augustine grass, application should be increased to 6.98 lbs. per 1000 Sq. Ft. Water lawn lightly after application.

To control the following insects in lawns: Billbugs, White Grubs of European Chafer, Japanese Beetle and Southern Chafer -

Apply at the rate of 6 lbs. per 1000 Sq. Ft. Water lawn thoroughly after application. For grub control make application any time between late July and early October or between late March and early May. For Billbug control - apply when activity is first observed or when chewed or brown grass indicates damage from these insects. Repeat as necessary

To control:

HYPERODES WEEVIL (NEW YORK ONLY)

Apply 4.6 lbs. per 1000 Sq. Ft. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

**IT IS RECOMMENDED THAT ALL APPLICATIONS
BE MADE WITH A FERTILIZER SPREADER**

**SPREADER SETTINGS FOR OVERALL LAWN
APPLICATIONS:**

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

SPREADER MAKE

SPREADER SETTING NUMBER

	4.6 lbs. per 1000 Sq. Ft.	6.0 lbs. per 1000 Sq. Ft.
Scott Model 35 Drop Type	5.5	5.75
Cyclone Model B Rotary	3.9	4.4
Scott Rotary	J	L

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STORAGE AND DISPOSAL

STORAGE: Store in original container and keep any bags containing unused product in an area inaccessible to children and domestic animals. Do not store near feed or foodstuff. To prevent cross-contamination, do not store near other fertilizers, or near herbicides, insecticides, fungicides or seeds.

PRODUCT DISPOSAL: To dispose of bags which contain unused product, securely wrap bag in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty bag. Fold empty bag and discard in trash.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

The following note will not appear on final printed labels

*Note: Percentages and sources of primary plant foods will differ among various commercial fertilizer manufacturers.