

PM13

961-358

1 of 14

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Mr. Henry E. Rohland
Lebanon Chemical Company
P. O. Box 180
Lebanon, PA 17042

MAY - 5 1994

653/5429/115
18/2

Dear Mr. Rohland:

Subject: Amendment- Revise per Diazinon Registration Standard
Lebanon Lawn and Garden Insecticide with Diazinon 5G
EPA Registration Number 961-358
Your submission dated October 4, 1993

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, and a copy of a stamped label is enclosed for your records.

Please make the following revisions when preparing the actual finished label:

1. Under **TIMING/SPECIAL DIRECTIONS** for Billbugs... (dung beetle) change "Water grass with at least 1/4 inch of water after application; however stop watering if puddling occurs." to read "Water grass with at least 1/4 inch of water after application; however stop watering before puddling occurs.".
2. Under **Timing/ Special Directions** for Onions (Green and Bulb) change "Broadcast just before Per 500 planting and mix into the top 3-4 inches of soil." to read "Broadcast just before planting and mix into the top 3-4 inches of soil.".
3. Under **Pest** for Turnips change "Wireworms" to read "Mole Crickets" and change "Mole Crickets" to read "Wireworms".

Sincerely yours,

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

Enclosure

CONCURRENCES

SYMBOL	H 7505C						
SURNAME	LLO						
DATE	4/29/94						

3014

LEBANON LAWN AND GARDEN INSECTICIDE WITH DIAZINON 5G

LAWN & GARDEN INSECT CONTROL

*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 5,000 square
feet*

XX Pounds Net Weight

EPA Reg. No. 961-358

ACTIVE INGREDIENT:

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements
on back of bag.

See Directions for Use

(L) (D)

EPA Est. 961-PA-01:961-JL-01

Superscript used is first letter of lot number

Page 1 of 13 Pages
961-358
Lebanon Chemical Corporation
09/30/93

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY - 5 1994

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

961-358

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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 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. 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, or 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 washwaters.

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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 containers 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 Chemtrec day or night at 1-800-424-9300.

In Lawns, this product kills:

Ants
Armyworms
Bermudagrass Mites
Billbugs
Brown Dog Ticks
Chiggers
Chinch Bugs
Clover Mites
Crickets
Cutworms

Digger Wasps
Earwigs
Fire Ants*
Fleas
Lawn Moths
Leafhoppers
Millipedes
Sod Webworms
Sowbugs (Pillbugs)
Springtails

White Grubs of:
• European Chafer
• Japanese Beetle
• Southern Chafer

* Aids in Control

In Gardens, this product kills:

Cutworms
Mole Crickets

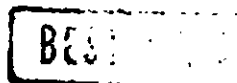
Onion Maggots
Root Maggots

Wireworms

DIRECTIONS FOR USE

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

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.



SPECIAL PRECAUTIONS TO REDUCE RISKS 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 15,000 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.

OVERALL LAWN APPLICATION

This product controls certain lawn insects on both grass and dichondra lawns. Apply this product with a 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 (<i>Collembola</i>)	2 Lbs. Per 1,000 Sq. Ft.	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.

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PEST

Billbugs, White grubs of Japanese	2 Lbs. Per
Beetle, European Chafer, Southern	1,000 Sq. Ft.
Chafer, <i>Ataenius spretulus</i> (dung beetle)	

RATE*

TIMING/SPECIAL

DIRECTIONS

Water grass with at least 1/4 inch of water after application; however, stop watering before 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 after application; however, stop watering if puddling occurs. Treat again in late Summer, or early Fall, if a second generation occurs.

Hyperodes Weevils

2 Lbs. Per
1,000 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 1,000 sq. ft. = 3.2 oz. per 100 sq. ft.

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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. **
(To Deliver 2 Lbs. Per 1,000 Sq. Ft.)**

Spreader Make and Model	Setting
Frank's Drop	5
Frank's Broadcast	4
Greenview (Drop)	6 1/2
Scott (Drop)	6
Cyclone	4 1/2
ORTHO 3000	4 1/2
ORTHO 4000	4 1/2
Sears	6

** For application with other types of equipment, apply at the rate of 2 lbs. per 1,000 sq. ft.

LAWN SPOT TREATMENT

Ants: Apply 1 1/2 teaspoons of this product over and around each ant hill.

Fire Ants: To aid in the control of fire ants in lawns and other outdoor home recreation 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.

NOTE: 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.

Digger Wasps: Apply 1 1/2 teaspoons of this product in and around each nest opening. Apply at dusk when wasps are not active.

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BAND TREATMENT AROUND HOUSE FOUNDATION

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

- | | | |
|------------------------|-----------------|---------------------------------|
| Ants | Crickets | Millipedes |
| Brown Dog Ticks | Earwigs | Sowbugs (Pillbugs) |
| Clover Mites | Fleas | Springtails (Collembola) |

Apply a 2-foot band of this product 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

This product controls certain garden insects on crops listed in the following tables. Apply uniformly as directed for each crop. When a range of rates 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.

SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS

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

1. Thoroughly mix this product 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 surfaces should be covered with soil or thoroughly mixed into the soil.

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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Crop	Pest	Rate	Timing/Special Directions
Beans (Lima, Pole and Snap) <u>Succulent Only</u>	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 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.	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.
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.	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.
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.	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.

Crop	Pest	Rate	Timing/Special Directions
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.	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.
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.	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.
Cauliflower	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.	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.
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.	Broadcast and mix into soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
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.	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.
Cucumbers	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.
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.	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.
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.	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.
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.	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.

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Crop	Pest	Rate	Timing/Special Directions
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians and 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.	Broadcast and mix into soil just before planting.
Mustard	Mole Crickets	3 1/2 Oz. Per 500 Sq. Ft.	Broadcast and mix into soil 1-2 days before planting.
Onion (Green and Bulb)	Onion Maggots	7-14 Oz. Per 500 Sq. Ft.	Broadcast just before Per 500 planting and mix into the top 3-4 inches of soil. <i>NOTE: Resistant onion maggots will not be controlled by diazinon or similar type insecticides.</i>
	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 black-eyed 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.

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Crop	Pest	Rate	Timing/Special Directions
Potatoes	Cutworms (Surface and and Subterranean)	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.
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.
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.	Broadcast and mix into soil just before planting.
	Seed Corn Maggots	7-14 Oz. Per 500 Sq. Ft.	Broadcast and mix into soil 2 inches just before planting.
Sweet Potatoes	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.	Broadcast and mix into soil just before planting.

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Timing/Special Crop	Pest	Rate	Directions
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.	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.
Turnips	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.

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 the Manufacturer or the Seller. All such risks shall be assumed by the Buyer.

The Manufacturer 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.

The Manufacturer makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The manufacturer 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 the Manufacturer.

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