

**NOTICE OF PESTICIDE:  REGISTRATION  
 REREISTRATION**

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

Lebanon Lawn and Garden Insecticide  
With Diazinon 5 G

**NAME AND ADDRESS OF REGISTRANT (Incl. Jo ZIP code)**

Lebanon Chemical Corporation  
P. O. Box 180  
Lebanon - PA 17042

160/262218  
18/

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) and to comply with all registrants of similar products to submit such data.
2. Make the labeling change(s) listed below before you release the product for shipment.

(a) Add the phrase "EPA Reg. No. 961-352".

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(b) Revise the formula name for diazinon to indicate "(2-isopropyl-" instead of "(1-isopropyl-".

(c) Revise the last sentence of the "If swallowed" advice to read:

Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

(d) In the Environmental Hazards section, add a comma after "especially waterfowl" in the second sentence. You may elect to consolidate this entire section into a single paragraph instead of the current three paragraphs. Alternatively, you may choose to divide this section into two paragraphs, the second paragraph would only deal with aquatic hazards and would begin "Keep out of lakes, ...".

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

*[Handwritten Signature]*

DATE  
August 23, 1990

- (e) The full correct name for this product should appear wherever the product name appears in the directions for use.
- (f) In the right-hand column on page 3, under the heading "In Gardens ..." delete the pests "Armyworms", "Corn borers", and "Rootworms", since these pests are associated with use patterns not being supported by Ciba-Geigy for diazinon reregistration.
- (g) On the "Precautions" at the top of page 4, revise the sentence beginning "If waterfowl..." to read "where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected to enter the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after applying this product, however, stop watering before puddling occurs."
- (h) In the directions for control of cutworms and wireworms, delete "(See Directions for Corn Below)", since the directions for control of these pests are the same regardless of crop. Also, once revised, the label will only have only one special direction for corn, for control of seed corn maggots (see item "l", below).
- (i) In the directions for wireworm control, delete the triple asterisks appearing after "Sweet Potatoes" and delete the associated footnote, "\*\*\* Sweet Potatoes (Southeastern U.S.): Broadcast 10 1/2 oz. per 500 sq. ft. over the tops of vines when roots begin to enlarge. Do not mix into the soil." because Ciba-Geigy, based upon the results of their avian field studies, has elected not to support use of granular diazinon for foliar or unincorporated soil surface application.
- (j) Revise the directions for onion maggot control to read as follows:
- Apply 7-14 oz. per 500 sq. ft. Broadcast and mix into the top 3-4 inches of soil just before planting.
- (k) In the directions for control of flea beetles, delete the asterisk appearing after "Sweet Potatoes" and the associated footnote, "\*\* Sweet Potatoes (Southeastern U.S.): Broadcast 10 1/2 oz. per 500 sq. ft. over the tops of vines when roots begin to enlarge. Do not mix into the soil.", because, as indicated above, Ciba-Geigy has elected not to support use of granular diazinon for foliar or unincorporated soil surface application.
- (l) Delete the heading "Directions for Corn" and the directions for control of cutworms, wireworms, European corn borers, Fall armyworms, and Southwestern corn borers. The correct crop designation "sweet corn" already appears in the crop listings of the directions

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for control of cutworms and wireworms. As noted above, Ciba-Geigy has elected not to support reregistration of foliar application of diazinon, which is required to control European corn borers, Fall armyworms, and Southwestern corn borers (rather than the pre-plant application you proposed). For the remaining use, control of seed corn maggots, add the crop name "Sweet Corn" under the pest name, as you have done for the other pest control listings.

(m) Revise the heading of the spreader chart from "SPREADER SETTING NO. (per 1000 sq. ft.)" to "LAWN SPREADER SETTING NO. (To deliver 2 lbs. per 1000 sq. ft. )". Also, revise the heading of the right-hand column from "LAWNS/2 lbs." to "SETTING".

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling. NOTE: When preparing your label, do not print the quotation marks that appear around revised text items specified in this Notice of Registration.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

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

Net Wt. 10 Lbs.

Treats Up To 5,000 Sq. Ft.

**LEBANON LAWN AND GARDEN  
INSECTICIDE WITH DIAZINON 5 G**

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

**THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS**

ACTIVE INGREDIENT:	<u>By Weight</u>
Diazinon: 0,0-Diethyl 0-(1-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate.....	5%
INERT INGREDIENTS: .....	<u>95%</u>
	100%

Contains Diazinon

EPA Reg. No.: 961-

KEEP OUT OF THE REACH OF CHILDREN

**CAUTION**

See additional precautionary statements on back of bag.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust and contact with eyes, skin or clothing. Wash thoroughly after handling and before eating or smoking. May cause contact sensitization following repeated contact with skin of susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician. 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.

Approved under  
FIFRA Act  
in EPA Letter Dated

**AUG 23 1990**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
labeled under EPA Reg. No. **961-358**

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 or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on Skin: Remove contaminated clothing and wash affected areas with soap and water. Rinse thoroughly.

If in eyes: Flush eyes with plenty of water. 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 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 0.25 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 wash waters.

In Lawns  
LEBANON LAWN AND GARDEN  
INSECTICIDE kills:

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

\* Aids in control

Directions for Use:

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

Overall Lawn Application:

LEBANON LAWN AND GARDEN INSECTICIDE controls the following lawn insects on both grass and dichondra lawns:

- Ants . Armyworms . Bermudagrass mites . Brown dog ticks .
- Chiggers . Chinch bugs . Clover mites . Crickets . Cut-
- worms . Earwigs . Fleas . 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

**BEST AVAILABLE COPY**

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 0.25 inch of water immediately after application; however, stop watering before puddling occurs.

Apply LEBANON LAWN AND GARDEN INSECTICIDE with a fertilizer spreader. See spreader setting chart on side of bag. Apply when grass is dry. Repeat as necessary.

For application with other types of equipment, apply at the rate of 2 lbs. per 1000 sq. ft. (an area 20' by 50') or 3.2 oz. per 100 sq. ft. (an area 10' by 10').

Billbugs, White grubs of Japanese beetle, European chafer, Southern chafer, Ataenius spretulus (dung beetle):

Apply 2 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, except dung beetle, treat any time between late July and early October. For dung beetle grub control, apply in Spring or early Summer when damage is first noticed. Water grass thoroughly with 1/4-1/2 inch of water after application. Treat again in late Summer or early Fall if a second generation occurs.

Hyperodes weevils:

Apply 2 lbs. per 1000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

Spot Treatment:

Ants: Apply 1 1/2 teaspoons of LEBANON LAWN AND GARDEN INSECTICIDE over and around each ant hill.

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

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 LEBANON LAWN AND GARDEN INSECTICIDE 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 foundations of houses as well as in lawns. Certain of these pests may enter houses.

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

Apply a 5 foot band of LEBANON LAWN AND GARDEN INSECTICIDE 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. Repeat as necessary.

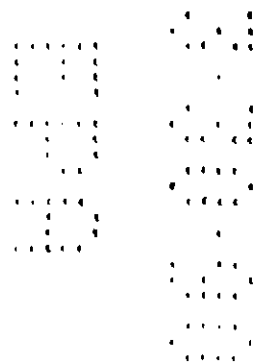
Vegetables - Insect Control:

This product controls certain garden insects on crops listed below. Apply uniformly as directed for each crop. When a range of rates is given, use the higher rate only for heavier infestations.

Unless otherwise directed, just prior to planting, broadcast and mix thoroughly into the soil to the depth specified.

<u>Insect</u>	<u>Depth of Mixing or Incorporation into Soil</u>
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.





Cutworms (surface and subterranean):

Beans - Lima, Pole, Snap \*

Beets, red (table)

Broccoli

Brussels Sprouts

Cabbage

Carrots

Cauliflower

Celery

Collards

Cucumbers

Endive (Escarole)

Kale

Lettuce

Melons,

    Cantaloupes

    Casabas

    Crenshaws

    Honeydews

    Muskmelons

    Persians

    Hybrids of these

    Watermelons

Parsley

Peas \*\*

Peppers

Potatoes \*\*\*

Spinach

Squash - Summer & Winter

Sweet Corn

    (See Directions for

    Corn Below)

Swiss Chard

Tomatoes

\* Do not use on dried bean varieties, such as pintos, dried limas, navy beans, etc.

\*\* Do not use on dried pea varieties, such as dried black-eyed peas.

\*\*\* Do not use on commercially-grown potatoes which will be hand-harvested.

Apply 7 to 14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Mole Crickets

Beets, red (table)

Broccoli

Brussels Sprouts

Cabbage

Carrots

Cauliflower

Collards

Endive (Escarole)

Kale

Lettuce

Mustard

Peppers

Radishes

Tomatoes

Turnips

Apply 3 1/2 oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Wireworms:

Beans - Lima, Pole, Snap \*

Beets, red (table)

Broccoli

Brussels Sprouts

Cabbage

Carrots

Cauliflower

Celery

Collards

Cucumbers

Endive (Escarole)

Kale

Lettuce

Melons,

    Cantaloupes

    Casabas

    Crenshaws

    Honeydews

    Muskmelons

    Persians

    Hybrids of these

    Watermelons

Onions - Green & Bulb

Parsley

Peas \*\*

Peppers

Potatoes \*\*\*

Spinach

Squash - Summer & Winter

Sweet Corn

    (See Directions for Corn Below)

Sweet Potatoes \*\*\*\*

Swiss Chard

Tomatoes

- \* Do not use on dried bean varieties such as pintos, dried limas, navy beans, etc.
- \*\* Do not use on dried pea varieties such as dried black-eyed peas.
- \*\*\* Do not use on commercial v-grown potatoes which will be hand-harvested.
- \*\*\*\* Sweet Potatoes (Southeastern U.S.): Broadcast 10 1/2 oz. per 500 sq. ft. over the tops of vines when roots begin to enlarge. Do not mix into soil.

Apply 10 1/2 to 14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

11 7 13

Root Maggots:

Broccoli  
Brussels Sprouts

Cabbage  
Cauliflower

Apply 7 to 10 1/2 oz. per 500 sq. ft. Broadcast and mix into soil just before planting or transplanting.

Onion Maggots:

Onions - Green & Bulb

Apply 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: Diazinon may not control organophosphate-resistant onion maggots.

Flea Beetles:

Sweet Potatoes \*

\* Sweet Potatoes (Southeastern U.S.): Broadcast 10 1/2 oz. per 500 sq. ft. over the tops of vines when roots begin to enlarge. Do not mix into soil.

Apply 10 1/2 oz. to 14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Directions for Corn

Cutworms:

Apply 7 to 14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Seed Corn Maggots:

Apply 7 to 14 oz. per 500 sq. ft. Broadcast just before planting. Mix into soil 2 inches.

Wireworms:

Apply 10 1/2 to 14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

European Corn Borers:

Apply 3 1/2 to 7 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Make a second application 7 days later, if needed.

Do not make more than 3 applications per season. \*

Fall Armyworms:

Apply 3 1/2 to 7 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Do not make more than 3 applications per season. \*

Southwestern Corn Borers:

Apply 3 1/2 to 7 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Do not make more than 3 applications per season. \*

\* Note: Corn may be picked immediately after last application. Do not feed fodder to livestock for 10 days following last application.

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

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.

WARRANTY

Lebanon Chemical Corporation warrants that this product conforms to its chemical description and is reasonably fit for the purpose 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, express 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.

Distributed by  
LEBANON CHEMICAL CORPORATION  
LEBANON, PA 17042