

452234

Mr. Michael Jackson
Dexol industries
1450 W. 228th Street
Torrance, CA 90501

NOV - 2 1993

Dear Mr. Jackson:

Subject: Amendment - Revise per Agency letter
dated August 2, 1993
Dexol Diazinon 5% Granules
EPA Reg. No. 192-161
Your label submission dated October 8, 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) The lawn spreader setting chart (together with its associated Note) should be relocated from the left side gusset to the back panel, to appear directly after the chart of overall lawn application directions, i.e., to appear directly above the heading "Lawn Spot Treatment". You may want to relocate the "In Gardens Kills" listing (which was not related to the lawn spreader setting chart) to appear on the right side gusset after (or before) the "In Lawns Kills" listing. You may choose to repeat these same claims on the left side gusset, since the spreader setting chart will no longer be there.
- 2) Slightly revise the front panel use site limitation so that it reads: "For Outdoor Use on the Home Lawn and Home Garden Only."

[NOTE: The quotation marks that appear around text revisions specified in this letter should not appear on your finished label.]

- 3) Under the heading "OVERALL LAWN APPLICATION", in the SPECIAL PRECAUTIONS TO REDUCE RISK TO BIRDS" add a comma after "Birds, especially waterfowl (ducks or geese)".

- 4) In the lawn use directions for control of Billbugs, etc.:
 - a) Revise the first sentence of the Timing/Special Directions to read:

"Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs."
 - b) Revise the second sentence of the Timing/Special Directions for dung beetle grub control to read:

"Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs."
 - c) In the third sentence of the Timing/Special Directions for dung beetle grub control, add a comma between "Fall" and "if".
- 5) In the directions for **Band Treatment Around House Foundation**, since the band width is now 2 feet, revise "using a rate of 3.2 oz. for each 100 sq. ft. of area (5' by 20') treated" to read "using a rate of 3.2 oz. for each 100 sq. ft. of area (2' by 50') treated."
- 6) In the Environmental Hazards, add a comma after "Birds, especially waterfowl (ducks or geese)".

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 deadline imposed by the Diazinon Registration Standard, as amended, must be the revised amended label.

Sincerely,

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

[FRONT PANEL]

This product must not be used on golf courses or sod farms

DEXOL
DIAZINON 5%
GRANULES

ACCEPTED
with COMMENTS
in EPA Letter Dated

NOV - 2 1996

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

192-161

For Outdoor Use on the Home Lawn and
in the Home Garden Only

Treats Up to 2,500 Sq.Ft. [statement for 5 lb. product size]
Treats Up to 5,000 Sq.Ft. [statement for 10 lb. product size]
Treats Up to 10,000 Sq.Ft. [statement for 20 lb. product size]

Use on Lawns to Kill Ants, Chiggers,
Brown Dog Ticks, Crickets, Fleas, Fire Ants, Lawn Moths
(sod webworms), Sowbugs, White Grubs of Japanese
Beetle, Southern Chafer, *Ataenius spretulus* (dung beetles), and
Other Listed Pests

Use in Vegetable Gardens to Kill Cutworms,
Mole Crickets, Root Maggots, Wireworms and Onion
Maggots

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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

C A U T I O N

See additional precautionary statements on back of bag

NET WEIGHT _____ LBS. (_____ KG)

In Lawns Dexol Diazinon 5% Granules Kill:

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

*Aids in control

In Gardens Dexol Diazinon 5% Granules Kill:

Cutworms	Onion maggots	Wireworms
Mole crickets	Root Maggots	

DIRECTIONS FOR USE AND CONDITION 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 Dexol Industries or the Seller. All such risks shall be assumed by the Buyer.

Dexol Industries 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. Dexol Industries makes no other express or implied warranty of fitness or Merchantability or any other express or implied warranty. In no case shall Dexol Industries or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Dexol Industries 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 Dexol Industries.

DIRECTIONS FOR USE

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

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 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.

Dexol Diazinon 5% Granules controls certain lawn insects on both grass and dichondra lawns. Apply Dexol Diazinon 5% Granules 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(Collembola)	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.
Billbugs, White grubs of Japanese Beetle, European chafer, Southern chafer, <i>Ataenius spretulus</i> (dung beetle)	2 lbs. per 1,000 sq.ft.	Water grass with at least 1/4 inch of water after application, however, stop watering if puddling occurs.

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		<p>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.</p>
<p>Hyperodes weevils</p>	<p>2 lbs. per 1,000 sq.ft.</p>	<p>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.</p>

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.

Lawn Spot Treatment

Ants: Apply 1 1/2 teaspoons of Dexol Diazinon 5% Granules 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 ants and cause migration, reducing effectiveness. A minimum of 1 gal. 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 Dexol Diazinon 5% Granules in and

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

Apply a 2-foot band of Dexol Diazinon 5% Granules 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 Dexol Diazinon 5% Granules 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.

Dexol Diazinon 5% Granules 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.

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

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

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. 500 sq.ft.	
	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.	
	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.	

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

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	Wireworms	10 1/2-14 oz. per 500 sq.ft.	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.	
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 1/3 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians, and	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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Hybrids of these), and Watermelons			
Mustard	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Onions (Bulb and Green)	Onion Maggots	7-14 oz. per 500 sq.ft.	Broadcast just before planting and mix into the top 3-4 inches of soil. 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.	
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.	

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.	
	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Potatoes	Cutworms (Surface and Subterranean)	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.

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	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
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.	
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.	
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.	
	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.	
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.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through the 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 the 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.

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[BACK PANEL - PAGE 11]

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.

DEXOL INDUSTRIES
Torrance, CA 90501

EPA Reg. No. 192-161
EPA Est. No. 192-CA-1

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[LEFT SIDE GUSSET]

In Gardens Kills:

Cutworms
Onion Maggots
Wireworms
Mole Crickets
Root Maggots

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
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

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[LEFT SIDE GUSSET - PAGE 2]

Sears Craftsman
Model 671.19198

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

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[RIGHT SIDE GUSSET]

In Lawns 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

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