



239-2479

11-15-2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Charles Levey
The ORTHO Group
P.O. Box 1749
Columbus, OH 43216

NOV 15 2001

Dear Mr. Levey:

Subject: Amendment - Comply with 2000 Diazinon MOA;
Delete Celery;
Update First Aid per PR Notice 2001-1; and
Update CSF/replacement diazinon source
ORTHO Diazinon Soil & Turf Insect Control
EPA Registration Number 239-2479
Your submissions dated June 28 and August 2, 2001
And your FAX of November 14, 2001

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Under the heading DIRECTIONS FOR USE, slightly revise the reformulation prohibition to read "Reformulation or repackaging of this product is prohibited."..
 - b. In the **First Aid** section, add "or convulsing" after "unconscious" in the last sentence of the **If Swallowed** advice.
 - c. Under the heading Vegetable Garden Insect Control, after "Do not use on existing vegetable gardens, add "Do not use this product in greenhouses.".
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

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4. Comply with all applicable provisions of the 2000 Memorandum of Agreement Regarding Pesticide Products Containing Diazinon (i.e., the Diazinon MOA). In accordance with the Diazinon MOA you have requested the following revisions to the conditions of registration for this diazinon product with outdoor non-agricultural (i.e., home and garden) uses:
- a. You have requested under section 6(f) of FIFRA that this registration be voluntarily canceled on a date not later than December 31, 2004.
 - b. You may not manufacture, label, or release for shipment this product after June 30, 2003.
 - c. You may not sell or distribute this product after August 31, 2003.
 - d. The registration for this product shall expire and be canceled on December 31, 2004.
 - e. You will send to every person who directly purchases this product (i.e., to every seller) a notification of Product Recovery Program to be conducted by Syngenta and Makhteshim after December 31, 2004.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

The Basic Confidential Statement of Formula (CSF) dated June 26, 2001 and the Alternate CSF dated June 26, 2001 which identify replacement diazinon source Manufacturing Use Products are acceptable and have been added to this product's registration file.

Sincerely,

George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

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ORTHO® DIAZINON Soil & Turf Insect Control, EPA Reg. No. 239-2479

Now (Optional) RESEALABLE BAG
DO NOT CUT BELOW DOTTED LINE
Now 18 lb size resealable bag
Now 20 lb size

COVERS UP TO 4,500 Sq Ft
/CON/OUTDOOR USE ONLY

This Product must not be used on Golf Courses and Sod Farms

Faster Acting, Contains Micro-Cel® E
Denser Granules Stay in Place for Uniform Coverage
PowerFlo® Granules

Ready-to-use granules for use only on:

HOME LAWNS to kill Billbugs, Mole Crickets, Chinch Bugs, Sod Webworms and White Grubs, as listed.

NUISANCE PESTS OUTSIDE THE HOME

To kill Ants, Fleas, Brown Dog Ticks, Crickets, Clover Mites and other listed pests

HOME VEGETABLE GARDENS

To kill Cutworms, Wireworms, Root Maggots before planting

Ready-to-Use Granules For Use When Seeding or Transplanting Vegetables

Kills: Wireworms, Rootworms, Root Maggots, Cutworms and Other Listed Soil Insects

Contains Diazinon

Less Dust & Drift Less Dust! Covers up to 5,000 Sq Ft [10 lb. size]

4,500 Sq Ft [9 lb. size]

9,000 Sq Ft [18 lb. size]

10,000 Sq Ft [20 lb. size]

Aids in the Control of Imported Fire Ants

Active Ingredient

Diazinon 5%

Other Ingredients 95%

ACCEPTED
with COMMENTS
by EPA Letter Dated:

NOV 15 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended for the pesticide
registered under EPA Reg. No.
239-2479

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See additional precautionary statements on back of bag.
SATISFACTION GUARANTEED OR YOUR MONEY BACK.

NET WT 9 LBS / 4.08 kg
10 lbs / 4.53 kg
18 lbs / 8.16 kg 20 lbs / 9.07 kg

[Text for bottom of bag]

**ORTHO®
Diazinon Soil & Turf Insect Control**

NET WT 9 LBS / 4.08 kg

[Text for back of bag]

**RESEALABLE BAG
DO NOT CUT BELOW DOTTED LINE**

**ORTHO®
Diazinon Soil & Turf Insect Control**

HOME LAWNS: to kill Billbugs, Chinch Bugs, Sod Webworms and White Grubs, as listed.

NUISANCE PESTS OUTSIDE THE HOME: to kill Ants, Fleas, Brown Dog Ticks, Crickets, Clover mites and other listed pests.

HOME VEGETABLE GARDENS: to kill Cutworms, Wireworms, [and] Root Maggots before planting.

DIRECTIONS FOR USE

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

tsp = teaspoon / Tbs = Tablespoon

LAWN APPLICATION

Controls insects listed below in grass and dichondra lawns. The lawn should be dry and mowed before application.

PEST	AMOUNT TO USE (See Spreader Setting Chart)	TIMING	SPECIAL DIRECTIONS
<p>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)</p>	<p>Apply 2 lb per 1,000 sq ft (an area 20' by 50')</p>	<p>Apply when insects are present.</p> <p>Repeat Application in 3 weeks if necessary.</p> <p>May be applied up to 4 times per year.</p>	<p>Apply when grass is dry. Water lawn lightly after treatment to wash granules off follage.</p>
<p>White Grubs (Japanese Beetle, European & Southern Chafer)</p>	<p>Apply 2 lb per 1,000 sq ft (an area 20' by 50')</p>	<p>Treat anytime between late July and early October</p> <p>Treat again in late Summer or early Fall if needed.</p> <p>Consult the County Cooperative Extension Agent for timing in your area.</p>	<p>Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs</p>

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<p>May Beetle Grubs (except California)</p>	<p>Apply 2 lb per 1,000 sq ft (an area 20' by 50')</p>	<p>Apply between mid-April and early May or in August</p>	<p>Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs</p>
<p>Mole Crickets</p>	<p>Apply 2 lb per 1,000 sq ft (an area 20' by 50')</p>	<p>Apply in May or June when pests are small.</p>	<p>Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs</p>
<p>European Crane Fly (Larvae) (except CA)</p>	<p>Apply 2 lb per 1,000 sq ft (an area 20' by 50')</p>	<p>Consult the County Cooperative Extension Agent for timing in your area.</p>	<p>Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs</p>
<p>Hyperodes Weevil</p>	<p>Apply 2 lb per 1,000 sq ft (an area 20' by 50')</p>	<p>Treat problem areas in mid-April and again in Mid-May</p>	<p>Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs</p>
<p>Billbugs</p>	<p>Apply 2 lbs. per 1,000 sq ft (an area 20' by 50')</p>	<p>Apply when chewed or brown grass indicates damage. If necessary, repeat application in 3 weeks. May be applied up to 4 times per year.</p>	<p>Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs</p>

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

SPREADER SETTING CHART
Drop & Broadcast Spreaders

MAKE & MODEL OF SPREADER	APPLICATION	
	RATE 2 lb per 1000 sq ft	SPREADER SETTING* NUMBER
ORTHO Broadcast Spreader (Models 4000, 6000)	5%	
ORTHO Drop Spreader (Models 3000, 5000)	8	
Sears Drop Spreader (Model 1865)	8	
Sears Rotary Spreader (Model 1860)	5%	
Scotts Drop-Type Spreaders	4%	
Scotts EasyGreen® II Rotary	26	
Scotts SpeedyGreen® Rotary	4	
Republic EZ Drop (Model 530)	8	
Republic EZ Broadcast (Model 540)	5%	
Republic EZ Grow (Model 545)	6%	
Cyclone Rotary (Model 95-5)	5	

HAND HELD SPREADERS **NO. HOPPERS TO DELIVER**
2 lb per 1000 sq ft

ORTHO WHIRLYBIRD® Handy Spreader (Pennington)	1	
Handy Green (Scotts)	3/8	
Red Devil	3/8	

[CORNCOB FORMULATION ONLY]
SPOT TREATMENT

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ANTS: Apply 1 1/2 tap over each ant hill.

FIRE ANTS

Home Lawns: To aid in the control of Imported Fire Ants apply 1/2 cup over, and 2 ft around, each fire ant mound. For best results apply when temperatures are between 65 and 80°F. To avoid disturbing ants, gently water granules in immediately after application. Use 1 gallon of water per mound. High pressure watering may disturb the ants and cause them to move and form new mounds. Treat new mounds as they appear.

DIGGER WASPS: Apply 1 1/2 tap in and around each nest opening. Apply at dusk when wasps are not active.

[BIODAC FORMULATION ONLY]

SPOT TREATMENT

ANTS: Apply 1 tap over and around each anthill

FIRE ANTS: Home Lawns: To aid in the control of Imported Fire Ants apply 1/3 cup over, and 2 ft around, each fire ant mound. For best results apply when temperatures are between 65 and 80°F. To avoid disturbing ants, gently water granules in immediately after application. Use 1 gallon of water per mound. High pressure watering may disturb the ants and cause them to move and form new mounds. Treat new mounds as they appear.

DIGGER WASPS: Apply 1 tap in and around each nest opening. Apply at dusk when wasps are not active.

AROUND HOUSE FOUNDATION

Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs), Springtails (Collembola): Evenly apply a 2-foot band of granules next to the house foundation. Use 1 lb for each 500 sq ft of area (2 ft by 250 ft). If necessary, repeat application at 3-week intervals.

VEGETABLE GARDEN INSECT CONTROL

Apply just prior to planting and mix thoroughly into soil. Do not use on existing vegetable gardens. Use Ortho Bug-B-Gon, Diazinon Plus Insect Spray, Bug-Geta Plus Snail, Slug & Insect Killer or another product labeled for use on vegetables after planting.

[FOR CORNCOB FORMULATIONS ONLY]

NOTE: One level measuring cup (8 fl oz) holds 4 oz of granules.

[For BIODAC FORMULATIONS ONLY]

NOTE: One level measuring cup (8 fl oz) holds 5 oz of granules.

INSECT	AMOUNT TO USE	PLANTS
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<p>Cutworms</p>	<p>10 oz per 500 sq ft</p> <p>Mix into soil 4-6 inches</p>	<p>Beans** (** fresh only), Beets (Red Table), Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons, Parsley, Peas** (fresh only), Peppers, Potatoes, Spinach, Squash, Sweet Corn, Swiss Chard, Tomatoes</p>
<p>Mole Crickets</p>	<p>3 ½ oz per 500 sq ft</p> <p>Mix into soil 1-2 inches</p>	<p>Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Collards, Endive (Escarole), Kale, Lettuce, Mustard, Peppers, Radishes, Beets (Red Table), Tomatoes, Turnips</p>
<p>Onion Maggots</p>	<p>7 oz per 500 sq ft</p> <p>Mix into soil 3 to 4 inches</p>	<p>Onions (Bulb and Green)</p> <p>Note: resistant onion maggots will not be controlled by diazinon or similar type insecticides.</p>
<p>Root maggots</p>	<p>10 oz per 500 sq ft</p> <p>Mix into soil 3-4 inches</p>	<p>Broccoli, Brussels Sprouts, Cabbage, Cauliflower</p>
<p>Wireworms</p>	<p>10½ oz per 500 sq ft</p> <p>Mix into soil 4-8 inches</p>	<p>Beans** (fresh only), Beets (Red Table), Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons, Onions, Parsley, Peas** (fresh only), Peppers, Potatoes, Spinach, Squash, Sweet Corn, Sweet Potatoes, Swiss Chard, Tomatoes, Turnips</p>

****NOTE:** This product is not registered for use on dried bean or pea varieties such as pintos, dried limas, navy beans, or dried blackeyed peas. Do not use on dried bean or pea varieties.

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.

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DISPOSAL: PRODUCT - Partially filled bag may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash.
DISPOSAL: CONTAINER - Do not reuse empty bag. Discard bag in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & 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.

[Reentry Icon] Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

or consulting

FIRST AID: If swallowed: call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have this product container or label with you when calling a poison control center or doctor, or going for treatment.

Note to Physicians: Emergency information call 1-800-225-2883. This 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

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occupied by waterfowl, or within 75 ft. of any body of water that may attract waterfowl, such as ponds or lakes. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water. 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.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

[Circle Skunk Logo]: Low Odor Diazinon [10/23/97]

[Circle Logo]: Diazinon Water Based [10/23/97]

**☒ Questions, Comments or Medical Information?
Call 1-800-225-2883 <http://www.ortho.com>**

**ORTHO®, WHIRLYBIRD® [10/23/97] Bug-Gets®, PowerFlo®, Solaris® Registered
[2/11/89] Trademarks of Monsanto Company**

MICRO-CEL® Trademark of Celite Holdings Corp.

**Scotts®, EasyGreen®, SpeedyGreen® Registered Trademarks of The Scotts
Company**

**Manufactured for
The ORTHO Group**

P.O. Box 1749

Columbus, OH 43216

Form RS839-A Product 5403

EPA Reg. No. 239-2479

EPA Est. 44618-MO-1^H, 58996-MO-1^A, 34704-NB-1^F

Superscript is first letter of lot number.

Made in USA