

ORTHO®
Diazinon
SOIL & TURF
Insect Control

Ready-to-Use Granules For Use When Seeding or Transplanting Vegetables
Kills: Wireworms, Rootworms, Root Maggots, Cutworms and Other Listed Soil
Insects
Contains Diazinon
POWERFLO™ Granules
Less Dust & Drift
Denser Granule Stays in Place for Uniform Coverage

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

Ready-to-use granules for use only on:

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

HOME VEGETABLE GARDENS to Kill Cutworms,
Wireworms, Root Maggots on listed crops.

NUISANCE PESTS Outside the Home to Kill Ants, Fleas, Brown Dog Ticks,
Crickets, Clover Mites and other listed pests.

SATISFACTION GUARANTEED or your Money Back.

Ant Cricket Grub Flea

Covers up to 5,000 Sq Ft

FASTER ACTING CONTAINS MICRO-CEL® E

Aids in the Control of Imported Fire Ants

MONEY BACK GUARANTEE

If you are not satisfied with the results after using this product, return the original
proof-of-purchase and original receipt to your ORTHO Dealer or send to:

The SOLARIS Group Consumer Affairs Dept.
P.O. Box 5008, San Ramon, CA
94583-0808

Active Ingredient

Diazinon [0,0-diethyl 0-(2-isopropyl-6-methyl-4-
pyrimidinyl) phosphorothioate]..... 5%

Inert Ingredients 95%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements on back of bag.

NET WT. 9 LBS. / 4.08 kg

ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP - 8 1994

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

HOME VEGETABLE GARDENS: to kill Cutworms, Wireworms, Root Maggots on listed crops.

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

tsp = teaspoon

Tbs = Tablespoon

Overall Lawn Application:

~~ORTHO Diazinon SOIL & TURF Insect Control controls the following lawn insects on both grass and dichondra lawns:~~

~~ANTS ARMYWORMS BERMUDA MITES BROWN DOG TICKS CHIGGERS CHINGH BUGS CLOVER MITES CRICKETS CUTWORMS EARWIGS EUROPEAN CRANE FLY (LARVAE) FLEAS LAWN MOTHS (SOD WEBWORMS) LEAFHOPPERS MAY BEETLE GRUBS (except CA) MOLE CRICKETS MILLIPEDES SOWBUGS SPRINGTAILS (COLLEMBOLA)~~

~~Apply 2 lb per 1000 sq ft (an area 20' by 50'). See spreader setting chart. 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.~~

~~MOLE CRICKETS, BILLBUGS, WHITE GRUBS OF JAPANESE BEETLE, EUROPEAN CHAFER, SOUTHERN CHAFER, EUROPEAN CRANE FLY (LARVAE), MAY BEETLE GRUBS, HYPERODES WEEVILS~~

~~Apply 2 lb per 1000 sq ft (an area 20' x 50'). Water grass with at least 1/4 inch of water after application, however stop watering before puddling occurs.~~

~~Mole Crickets: apply in May or June when pests are small.~~

~~Billbug control: apply when activity is first observed or when chewed or brown grass indicates damage from these insects.~~

~~Grub control: apply any time between late July and early October.~~

~~European Crane Fly (Larvae) (Except California): For timing of application in your area, consult the State Agricultural Extension Service.~~

~~May Beetle Grubs (Except California): Apply between mid April or early May or during August when activity is first observed or when brown grass indicates damage from this pest.~~

~~Hyperodes Weevils (New York only): Treat problem areas in mid April and again in Mid May.~~

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
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)	Apply 2 lbs. per 1,000 sq ft (an area 20' by 50')	Apply when insects are present. Repeat Application in 3 weeks if necessary. May be applied up to 4 times per year.	Apply when grass is dry. Water lawn lightly after treatment to wash granules off foliage.
White Grubs (Japanese Beetle, European & Southern Chafer)	Apply 2 lbs. per 1,000 sq ft (an area 20' by 50')	Treat anytime between late July and early October Treat again in late Summer or early Fall if needed. Consult the State Agricultural Extension Service for timing in your area.	Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs
May Beetle Grubs (except California)	Apply 2 lbs. per 1,000 sq ft (an area 20' by 50')	Apply between mid-April and early May or in August	Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs

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

NOTE: The spreader settings listed are approximate. Accurately 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 Make
and Model

Application
Rate 2 lbs. per
1000 sq. ft.
SPREADER SETTING NUMBER

ORTHO Broadcast Spreader

<u>[Models 4000, 6000]</u>	3-1/2
ORTHO Drop Spreader	
<u>(Models 3000, 5000)</u>	5
Sears Craftsman	
<u>(Model 671.19198)</u>	6
Scotts Precision Flow	
<u>(Model PF-1)</u>	5
Scotts Easy Green	25-1/2
Cyclone Rotary	
<u>(Model 96-5)</u>	5
True Temper	
<u>(Model CB 1100)</u>	3
Red Devil Lawn Drop Spreader	
<u>(Model FH-22N)</u>	9
Red Devil Broadcast Spreader	
<u>(Model FH KD 2N)</u>	6

Hand

Held

Spreaders

No. Hoppers to Deliver 2 lbs. per 1000 sq. ft.

ORTHO WHIRLYBIRD®	1
Handy Spreader	
(Pennington)	3/8
Handy Green (Scotts)	3/4
Red Devil	3/8

[CORNCOB FORMULATION ONLY]

Spot Treatment:

Ants: Apply 1-1/2 tsp over each ant hill.

~~Imported Fire Ants: To aid in the control of Imported Fire Ants in lawns and other outdoor home recreational areas, apply 1/2 cup in a 2 ft radius over and around each fire ant mound. Immediately after application, water in thoroughly. A minimum of 1 gal of water should be applied to each mound area. Do not use more than 2 gal of water. Apply water gently to avoid disturbing ants. Use of high pressure watering may disturb the ants and cause migration, thus reducing effectiveness of treatment. Treat new mounds as they appear. For best results, apply in cool weather, 65 to 80°F, or in early morning or late evening hours.~~

FIRE ANTS

~~Home Lawns: 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 tsp in and around each nest opening. Apply at dusk when wasps are not active.

[BIODAC FORMULATION ONLY]

Spot Treatment:

Ants: Apply 1 tsp over and around each ant hill.

~~Imported Fire Ants: To aid in the control of Imported Fire Ants in lawns and other outdoor home recreational areas, apply 1/3 cup in a 2 ft radius over and around each fire ant mound. Immediately after application, water in thoroughly. A minimum of 1 gal of water should be applied to each mound area. Do not use more than 2 gal of water. Apply water gently to avoid disturbing ants. Use of high pressure watering may disturb the ants and cause migration, thus reducing effectiveness of treatment. Treat new mounds as they appear. For best results, apply in cool weather, 65 to 80°F, or in early morning or late evening hours.~~

FIRE ANTS

~~Home Lawns: 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 tsp of in and around each nest opening. Apply at dusk

when wasps are not active.

AROUND HOUSE FOUNDATION

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

~~Apply a 2 ft band of ORTHO Diazinon SOIL & TURF Insect Control next to the house foundation, using 1 lb for each 500 sq ft of area (2'x 100') treated. If necessary, repeat application at 3-week intervals.~~

~~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 100 ft). If necessary, repeat application at 3-week intervals.~~

~~Garden Insect Control: VEGETABLE GARDEN INSECT CONTROL:~~

~~Apply just prior to planting and immediately mix thoroughly into soil to the specified depth. Apply just prior to planting and mix thoroughly into soil.~~
~~[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
Cutworms	10 oz. per 500 sq ft Mix into soil 4-6 inches	Beans* (* fresh only), Beets (Red Table), Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons, Parsley, Peas*, Peppers, Potatoes, Spinach, Squash, Sweet Corn, Swiss Chard, Tomatoes
Mole Crickets	3 1/2 oz per 500 sq ft Mix into soil 1-2 inches	Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Collards, Endive (Escarole), Kale, Lettuce, Mustard, Peppers, Radishes, Red Beets (Table), Tomatoes, Turnips
Onion Maggots	7 oz. per 500 sq ft Mix into soil 3 to 4 inches	Onions (Bulb and Green) Note: resistant onion maggots will not be controlled by diazinon or similar type insecticides.
Root maggots	10 oz. per 500 sq ft Mix into soil 3-4 inches	Broccoli, Brussels Sprouts, Cabbage, Cauliflower
Wireworms	10 1/2 oz per 500 sq ft Mix into soil 4-8 inches	Beans, Beets (Red Table), Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons, Onions, Parsley, Peas, Peppers, Potatoes, Spinach, Squash, Sweet Corn, Sweet Potatoes, Swiss Chard, Tomatoes, Turnips

*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.

Gutworms (surface and subterranean): Apply 10 oz per 500 sq ft and mix into soil to a depth of 2 to 3 inches for surface Gutworms and 3 to 6 inches for subterranean Gutworms. For Potatoes, mix into soil 4 to 6 inches deep.

Broccoli _____ Endive _____ *Pole Beans

Brussels	(Escarole)	Potatoes
Sprouts	Honeydews	Red Beets
Cabbage	Kale	*Snap Beans
Cantaloupes	Lettuce	Spinach
Garrots	*Lima Beans	Summer
Gasabas	Muskmelons	Squash
Cauliflower	Parsley	Sweet Corn
Celery	*Peas	Swiss Chard
Collards	Peppers	Tomatoes
Crenshaws	Persian	Watermelons
Cucumbers	Melons	Winter Squash

~~*NOTE: Fresh only. DO NOT use on dried bean or pea varieties.~~

~~Mole Crickets: Apply 3 1/2 oz per 500 sq ft and mix into soil to a depth of 1 to 2 inches.~~

Broccoli	Collards	Peppers
Brussels	Endive	Radishes
Sprouts	(Escarole)	Red Beets
Cabbage	Kale	Strawberries
Garrots	Lettuce	Tomatoes
Cauliflower	Mustard	Turnips

~~Wireworms: Apply 10 1/2 oz per 500 sq ft broadcast and mix into soil just before planting to a depth of 4 to 8 inches.~~

Broccoli	Endive	Potatoes
Brussels	(Escarole)	Red Beets
Sprouts	Honeydews	*Snap Beans
Cabbage	Kale	Spinach
Cantaloupes	Lettuce	Summer Squash
Garrots	*Lima Beans	Sweet Corn
Gasabas	Muskmelons	Sweet Potatoes
Cauliflower	Onions	Swiss Chard
Celery	Parsley	Tomatoes
Collards	*Peas	Turnips
Corn	Peppers	Watermelons
Crenshaws	Persian Melons	Winter Squash
Cucumbers	*Pole Beans	

~~*NOTE: Fresh only. DO NOT use on dried bean or pea varieties.~~

~~Broccoli, Brussels Sprouts, Cabbage, Cauliflower:~~

~~Root Maggots: Apply 10 oz per 500 sq ft broadcast and mix into soil before planting or transplanting and mix into soil to a depth of 3 to 4 inches.~~

~~Onions:~~

~~Onion Maggots: Apply 7 oz per 500 sq ft and broadcast and just before planting mix into the top 3 to 4 inches of soil. Note: Resistent onion maggots will not be controlled by diazinon or similar type insecticides.~~

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.

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. 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 plenty of soap and water. Rinse thoroughly. Get medical attention.

If in eyes, rinse eyes with plenty of water and call a physician immediately.

Note to Physicians: Emergency Information-call 1-800-454-2333. 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, 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 (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. 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.

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 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.

☐ Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

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Manufactured for

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Form S673-A Product 5403
EPA Reg. No. 239-2479

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Superscript is first letter of lot number.

Made in USA