



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Charles Levey
The Scotts Company d/b/a The Ortho Group
14111 Scottslawn Rd.
Marysville, OH 43041

MAR 14 2002

Dear Mr. Levey:

Subject: Amendment - Comply with 2000 Diazinon MOA;
Delete almonds;
Update First Aid per PR Notice 2001-1; and
Update CSF/replacement diazinon source
ORTHO Diazinon Insect Spray2
EPA Registration Number 239-2643
Your submissions dated June 27 and September 5, 2001
and your associated 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 (comments apply to all versions of the product unless otherwise indicated):
 - a. Please note that under the 2000 diazinon MOA (and as shown on the labeling for the replacement diazinon source MUP you have indicated), home and garden emulsifiable concentrate products may not be sold in container sizes larger than 1 quart. The submitted liquid concentrate label shows unacceptably larger sizes of 40 and 64 fluid ounces. Be sure to delete any claims related to these larger sizes, such as the "Bonus 25% More" claim and the "Makes up to 120 Gallons of Spray" claim.
 - b. Regarding the formula claims, please be aware that the term "NEW" may only be applied to a given formula up to 6 months following the product introduction in the market.

- c. Slightly revise the limitation appearing under Directions For Use so that it reads "Reformulation or repackaging of this product is prohibited."
 - d. Revise the prohibition "Do not treat fruits and vegetables grown in greenhouses." to read "Do not apply this product in greenhouses."
 - e. At the end of the IF SWALLOWED advice in the First Aid section, revise "...to an unconscious person." to read "...to an unconscious or convulsing person."
 - f. On the Lock'N Spray label, for the general claims for each use site (eg. "CONTROLS GARDEN INSECTS" and "Pest(s) Around House Foundations") if the expression "and many others" is used it should be accompanied by "as listed inside".
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.
 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.

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The Basic Confidential Statement of Formula (CSF) dated June 26, 2001 which identifies a replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

Sincerely,

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

ORTHO DIAZINON INSECT SPRAY₂, EPA Reg. No. 239-2643

1. LIQUID CONCENTRATE PRODUCT

ABN: ORTHO[®] DIAZINON ULTRA™ Insect Spray

BONUS 25% MORE 40 FL OZ AT REGULAR 32 FL OZ PRICE

[ICON] OUTDOOR USE ONLY
[ICON] WATER BASED

Makes up to 96 Gallons of Spray [qt. size]
Makes up to 120 Gallons of Spray [40 oz size]

This product must not be used on golf courses or sod farms.
For outdoor use on home lawns and home gardens only.

- FOR ROSES, FLOWERS, SHRUBS, TREES, FRUITS, VEGETABLES, LAWNS,
- GARDENS & AROUND HOUSE FOUNDATIONS
- CONTROLS GARDEN INSECTS AND LAWN INSECTS
- NEW / NOW WATER BASED FORMULA
- IMPROVED FORMULA
- NEW / NOW LOW ODOR FORMULA
- WATER BASED CONCENTRATE
- NEW / NOW WITH MEASURING CAP & POUR SPOUT
- IMPROVED PACKAGE
- NEW/NOW WITH MEASURING CAP
- EASY POUR SPOUT
- FAST & EASY MEASURING CAP
- MULTI-PURPOSE BUG/PEST INSECT KILLER

ACCEPTED
with COMMENTS
In EPA Letter Dated:
MAR 14 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
239-2643

Active Ingredient

Diazinon	22.4%
Other Ingredients.....	77.6%

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Back Panel Booklet for Additional Precautionary Statements

- NET CONTENTS 16 fl oz (1 pt) 473 ml
- NET CONTENTS 32 fl oz (1 qt) 946 ml
- NET CONTENTS 64 fl oz (1/2 gal) 1.89 L
- NET CONTENTS 40 fl oz (1 qt 8 fl oz)1.18 L

PEEL HERE

OPEN RESEALABLE LABEL FOR DIRECTIONS & PRECAUTIONS

Peel open for use directions and further information.

ORTHO Diazinon Insect Spray2 controls a wide range of bugs/pests/insects on home lawns and gardens. This product may be all you need to stop insects on roses, listed flowers, trees, shrubs, lawns, vegetables, fruits, nuts, and around house foundations. ORTHO Diazinon Insect Spray2 is a concentrate which must be diluted with water before application.

Easy to apply with an ORTHO® DIAL 'n SPRAY®, hose-end, or tank-type sprayer.

Improved, low odor water based formula has the same killing power as previous concentrate without the solvent smell. Improved package with pour spout and measuring cap for fast, easy, accurate measuring.

CONTROLS:

Garden Insects: Aphids, Cucumber Beetles, Mites, Tent Caterpillars, Cabbageworms, Codling Moth, Whiteflies & many others as listed inside label.

Lawn Insects: Ants, Fleas, Sod Webworms, Brown Dog Ticks, White Grubs Mole Crickets & many others as listed inside label.

Pests Around House Foundations: Ants, Crickets, Fleas, Brown Dog Ticks, Sowbugs, Spiders (including Black Widow Spiders) & many others as listed inside label.

Kills Black Widow Spiders

DO NOT USE INSIDE THE HOME. DO NOT USE ON HUMANS OR ANIMALS.

Manufactured for
The ORTHO Group
P.O. Box 1749
Columbus, OH 43216
EPA Reg. No. 239-2643
EPA Est. 239-IA-3¹, 58996-MO-1^A
Superscript is first letter of lot number
Made in USA

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.

Be sure the plants, use areas, and pests you want to treat are listed on the label before you spray.

OPTIONAL MEASURING CAP INSTRUCTIONS

PLANT / USE AREA	MEASURING CAP INSTRUCTIONS TO MAKE 1 GALLON OF SPRAY
LAWN INSECT CONTROL	Fill cap to level 1 one and one-half times (1-1/2 tsp)
ROSES, FLOWERS, SHRUBS, SHADE TREES	Fill cap to level 1 two times (2 tsp)
VEGETABLES, FRUITS & NUTS	See label text
FIRE ANT CONTROL	Fill cap to level 3 (1 oz)
AROUND HOUSE FOUNDATIONS (Outdoors only)	Fill cap to level 4 (2 oz)

The measuring cap has 4 fill levels marked inside the cap. Fill cap to appropriate level for fast, easy, accurate measuring. Close cap tightly after use_ no need to rinse.

Level 1 = teaspoon = 1 tsp

Level 2 = 1/2 fl oz = Tablespoon = 1 Tbs = 3 tsp

Level 3 = 1 fl oz (2 Tbs)

Level 4 = 2 fl oz (4 Tbs)

SHAKE WELL

ROSES, FLOWERS, SHRUBS & SHADE TREES

Including Arborvitae, Azaleas, Birch, Boxwood, Camellias, Chrysanthemums, Carnations, Crab Apples, Dogwood, Douglas Fir, Elm, Euonymus, Gladioli, Hawthorn, Hemlock, Holly, Juniper, Lilac, Lilies, Locust, Maple, Marigolds, Mimosa, Oak, Ornamental Plum, Pine, Poplar, Pyracantha, Rhododendrons, Roses, Spirea, Spruce, Sycamore, Wax Plant (Hoya), Willow, Yellowwood, Yew.

DO NOT use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, Gardenia, and Orchids since plant injury may occur.

LISTED VEGETABLES & MELONS

See table on page 6 for specific vegetables

LISTED HOME FRUIT & NUT TREES, GRAPES & BERRIES

See table on page 7 for specific fruit and nuts

MIXING INSTRUCTIONS

Amount to Use: 2 tsp per gallon of water.

- o When using **ORTHO DIAL 'n SPRAY® Hose-End Sprayer:** Set dial to 2 tsp. For each gallon of spray needed, add 2 tsp to sprayer jar. **DO NOT** add water.

PESTS CONTROLLED

Aphids, Armyworms, Apple and Thorn Skeletonizers, Bagworms, Bean Beetles, Cabbageworms, Cherry Fruit Flies, Codling Moths, Colorado Potato Beetles, Cucumber Beetles, Cutworms, Diamond-Back Moth (larvae), European Pine Shoot Moth, Flea Beetles, Fruitworm (maggots) (Cherry, Cranberry, Blueberry and Raspberry), Grape Berry Moths, Grape leafhoppers, Grasshoppers, Hemlock Chermes, Hemlock Woolly Adelgids, Holly Bud Moths, Imported Cabbageworms, Leafhoppers, Leafminers (including Dipterous* and Tentiform), Lacebugs, Leafrollers, Mealybugs, Mexican Bean Beetles, Mites (such as Carnation Bud, Carnation Shoot, Clover, Cyclamen, European Red, Privet, and Two-spotted Spider), Oak Loopers, Obscure Root Weevils, Omnivorous Leafhoppers, Onion Thrips, Pear Slugs, Raspberry Sawflies, Scale Crawlers (such as Cottony Cushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose and Soft), Spider Mites (see Mites), Strawberry Leafroller, Tent Caterpillars, Thrips, Twig Borers, Vinegar Flies, Walnut Caterpillars, Webworms (such as Cotonest, Fall, Juniper and Mimosa), Whiteflies.

*NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

How to Apply

- o Spray plant to wet leaves and branches to dripping point.
- o 1 gallon of spray treats 350 sq ft of vegetable garden or melons.
- o 3 gallons of treats 375 sq ft of home fruit trees, 250 sq ft of nut trees, 500 sq ft of grapes or strawberries, or 350 sq ft of caneberries.

When to Apply

- o Spray when listed pests first appear.
- o Start spraying fruit and nut trees, grapes and berries after petal fall.
NOTE: to protect bees, do not apply to fruit trees when they or a substantial number of weeds around the trees are in bloom.
- o Be sure to follow important limitations for the specific edible plant you are spraying, including the amount of spray which can be applied, the interval between sprays, and the days between to wait before harvest.

VEGETABLES & MELONS	DAYS TO WAIT BETWEEN TREATMENTS/ APPLICATIONS	TREATMENTS/ APPLICATIONS PER YEAR (MAXIMUM)	DAYS TO WAIT TO HARVEST
Tomatoes	7 to 10	5	1
Winter Squash & Melons	7 to 10	5	3
Peppers	7 to 10	5	5
Beans (fresh only)*, Peas (fresh only)*	7 to 10	3	7
Broccoli, Cauliflower, Cucumbers, Summer Squash, Sweet Corn**	7 to 10	5	7
Chinese Broccoli, Chinese Cabbage, Collards, Kale	7 to 10	5	10
Carrots, Endive (Escarole), Lettuce, Onions (Bulb & Green), Parsnips, Radishes, Rutabagas, Spinach, Turnips	7 to 10	5	14
Potatoes	7 to 10	5	35

*NOTE: Do not use on dried bean or pea varieties such as pinto beans, dried limas, split peas or dried black-eyed peas. To protect bees, do not apply to bean or pea foliage if the plants or weeds in the treatment area are in bloom. ** Do not apply to corn during the pollen shed period.

HOME FRUITS & NUT TREES, GRAPES &	DAYS TO WAIT BETWEEN TREATMENTS/ APPLICATIONS	TREATMENTS/ APPLICATIONS PER YEAR (MAXIMUM)	DAYS TO WAIT TO HARVEST

BERRIES			
Apricots	14	3	21
Cherries	7 to 10 days	3	21
Nectarines	14	3	21
Peaches	14	3	21
Plums	7 to 10 days	3	21
Prunes	7 to 10 days	3	21
Strawberries	7 to 10 days	3	5
Caneberries* (For use in California, Oregon and Washington ONLY): Blackberries, Blueberries, Boysenberries, Dewberries, Loganberries and Raspberries	14	5	7
Walnuts* (California only)	14	3	45
Grapes	7 to 10 days	5	28

*Note: Do not use this product on caneberries or walnuts grown in other states.

Do not treat fruits and vegetables grown in greenhouses. Do not feed treated plants to animals.

COMBINATION SPRAY WITH FUNGICIDE ON ROSES

RosePride® FUNGINEX® Rose & Shrub Disease Control may be mixed with this product when listed insect(s) and disease(s) are found on roses. Follow directions and precautions on both labels.

HOME LAWNS AND OTHER OUTDOOR HOME RECREATIONAL AREAS

Be sure to read the ENVIRONMENTAL HAZARDS section before you begin.

MIXING INSTRUCTIONS

Amount to Use: 1 1/2 tsp per gallon of water.

- o When using **Ortho Dial 'n Spray® Hose-End Sprayer**: Set dial to 1 1/2 tsp Add 3 fl oz to sprayer jar. **DO NOT** Add water. Spray evenly over 500 sq ft.

PESTS CONTROLLED

SURFACE PESTS: Ants, Armyworms, Bermudagrass Mites, Brown Dog Ticks, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetles, Digger Wasps, Earwigs, Fleas, Frit Flies, Millipedes, Lawn Billbugs, Lawn Moths, Leafhoppers, Rhodesgrass Scales, Sowbugs (Pillbugs), Sod Webworms, Springtails (Collembola). Also aids in controlling Fire Ants.

SUBSURFACE PESTS: European Crane Fly (Larvae), Grubs (Japanese Beetle, May Beetle, European Chafer, Southern Chafer), Mole Crickets, Hyperodes Weevil.

How to Apply

- o Measure the area to be sprayed. Calculate square feet by multiplying length by width. [walking man icon]
- o 1 gallon of spray treats 42 sq ft of lawn.

When to Water

For insects/bugs/pests that live above or near the soil surface (Surface Pests), such as Ants, Clover Mites, Crickets, Sod Webworms, Chinch Bugs and Sowbugs, thoroughly water the lawn a few hours **before** applying. (See above for complete list of lawn surface pests.)

For insects/bugs/pests that live in the soil (Subsurface Pests), such as European Crane Fly (larvae), Grubs, Hyperodes Weevils, and Mole Crickets, water the lawn **after** you spray to soak/carry the insecticide down into the soil.

When to apply

- o **Grubs and European Crane Fly (larvae):** Consult your County Cooperative Extension Agent for proper time to treat.
- o **Mole Crickets:** Apply in May or June when pests are small.
- o **Brown Dog Ticks:** Spray grass and under shrubbery, particularly near the house. Do not spray pets with this product.
- o **Digger Wasps:** Apply at dusk when wasps are not active.
- o **Frit Flies:** Mow and water thoroughly before treatment, but delay application until lawn is dry. Apply when crawlers first emerge.

FIRE ANT MOUNDS

Do not use this treatment in vegetable gardens.

MIXING INSTRUCTIONS

Sprinkling Can: Add 2 Tbs (1 fl oz) to one gallon water for each mound.

How to Apply

Apply evenly over and 6 inches around each mound. Apply gently to avoid disturbing ants.

When to Apply

For best results, drench mounds when temperatures are 65 to 80°F or in early morning or late evening. Treat new mounds as they appear.

AROUND HOUSE FOUNDATIONS**MIXING INSTRUCTIONS**

Amount to Use: 4 Tbs (2 fl oz) per gallon of water.

- o When using **Ortho Dial 'n Spray® Hose-End Sprayer:** Set dial to 2 oz. Add 4 fl oz (1/2 cup) to sprayer jar. **DO NOT** add water. Spray evenly over 600 sq ft (7' X 85').

PESTS CONTROLLED (NUISANCE PESTS OUTDOORS)

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Scorpions, Sowbugs (Pillbugs), Spiders (including Black Widow Spiders), Springtails (Collembola).

How to Apply

- o 1 gallon of spray treats 300 sq ft (7' X 42').
- o To keep insects from entering the house, spray a five-foot band of soil around the house next to the foundation. Also spray the foundation of the house to a height of 2-3 feet. *[advisory statement]* **(DO NOT** apply to vinyl siding as staining may occur). Repeat as needed.
- o Also spray walks, firewood piles, garbage cans, tree trunks, and into cracks and other places where insects can hide. **DO NOT** treat lawns or plants (other than tree trunks) at this rate. **DO NOT** burn sprayed firewood for 2 weeks after treatment.

VEGETABLES - BEFORE PLANTING

Beets, Cabbage, Carrots, Lettuce, Beans* (Lima, Pole, & Snap), Peas*, Sweet Corn, Tomatoes, Radishes, Rutabagas, Turnips and Turnip Tops.

*This product is registered only for use on fresh beans and peas. Do not use if you plan to grow peas and beans to eat when dried.

MIXING INSTRUCTIONS**Cutworms, Wireworms & Root Maggots**

Amount to Use: 4 Tbs (2 fl oz) per gallon of water.

- When using **ORTHO Dial 'n Spray® Hose End Sprayer:** Set dial to 2 oz. For each gallon of spray needed add 2 fl oz to sprayer jar. **DO NOT** Add water.

Mole Crickets

- o **Amount to Use:** 4 tsp per gallon of water
 - o When Using **Ortho Dial 'n Spray® Hose-End Sprayer:** Set dial to 4 tsp. For each gallon of spray needed add 4 tsp to sprayer jar. **DO NOT** add water.

How to Apply

- o 1 gallon of spray treats 350 sq ft.
- o Spray soil and immediately mix into soil to a depth of 1 to 2 inches for Mole Crickets, 2 to 3 inches for Surface Cutworms & Root Maggots, 3 to 6 inches for Subterranean Cutworms and 4 to 8 inches for Wireworms.

When to Apply

- o **Cutworms, Wireworms & Root Maggots:** Just before planting.
- o **Mole Crickets:** 1 to 2 days before planting.

For Disease Control on Fruits and Vegetables apply ORTHO Multi-Purpose Fungicide DACONIL 2787®. Follow label directions.

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Store in a cool, dry place, preferably in a locked storage area. Store in an area inaccessible to children and pets. If product freezes, place container in a warm area (68°F or above) not accessible to children or pets and allow to thaw. Shake well before using.

DISPOSAL: Securely wrap partially filled or empty container in several layers of newspaper and discard in trash. Do not reuse empty container.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Wear a long sleeved shirt and long legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans.

[Reentry icons] Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

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 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.

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.

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 1-800-454-2333. 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. If ingested, induce emesis or lavage stomach.

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 of sprays. For lawns, where watering is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs. 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 pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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

[11/6/96]; [CIRCLE LOGO: CIBA DIAZINON WATER BASED]
[11/6/96]: [SKUNK LOGO: LOW ODOR CIBA DIAZINON]

[11/11/97]: [CIRCLE LOGO: DIAZINON WATER BASED]
[11/11/97]: [CIRCLE LOGO: LOW ODOR DIAZINON]

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

ORTHO®, *DIAL 'n SPRAY®*, *ULTRA™*, *RosePride®*, *Trademarks of Monsanto Company.*
DACONIL 2787® Registered trademark of ISK Biotech Corp.
Funginex® Trademark of American Cyanamid Company
SOLARIS®

®Trademark of Monsanto Company
©Monsanto Company 1997

Manufactured for
The ORTHO Group
P.O. Box 1749
Columbus, OH 43216
EPA Reg. No. 239-2643
EPA Est. 239-IA-3¹, 58996-MO-1^A
Superscript is first letter of lot number
Made in USA

2. READY-SPRAY[®] PRODUCT
ORTHO[®]

[ICON] WATER BASED

IIC

[7/23/96]: ABN: BUG-B-GON[™] Ready-Spray[®],

Makes 96 Gallons of Spray

This product must not be used on golf courses or sod farms.
For outdoor use on home lawns and home gardens only.

FOR ROSES, FLOWERS, SHRUBS, TREES, FRUITS, VEGETABLES, LAWNS,
GARDENS & AROUND HOUSE FOUNDATIONS
CONTROLS GARDEN INSECTS AND LAWN INSECTS
NEW / NOW WATER BASED FORMULA

IMPROVED FORMULA
NEW / NOW LOW ODOR FORMULA

CONCENTRATE
MULTI-PURPOSE BUG/PEST INSECT KILLER
NO MIXING - NO MEASURE - NO MESS
READY-TO-SPRAY
JUST ATTACH TO HOSE AND SPRAY

Active Ingredient	
Diazinon	22.4%
Other Ingredients.....	77.6%

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Back Panel Booklet for Additional Precautionary Statements.

NET CONTENTS 32 fl oz (1 qt) 946 ml

OPEN RESEALABLE LABEL FOR DIRECTIONS & PRECAUTIONS
PRESS TO RESEAL

PEEL HERE

ORTHO Diazinon Insect Ready-Spray® controls a wide range of bugs/pests/insects on ~~in~~ home lawns and gardens. This product may be all you need to stop insects on lawns, roses, listed flowers, trees, shrubs, vegetables, fruits, nuts, and around house foundations.

Built-in sprayer head accurately mixes product with water. Simply attach to hose and spray. Treats 5,000 sq ft of lawn (96 gallons of spray).

GARDEN INSECTS: Aphids, Cucumber Beetles, Cabbageworms, Codling Moth, Mites, Tent Caterpillars, Leafhoppers Whiteflies and many others as listed inside label..

LAWN INSECTS: Ants, Fleas, Sod Webworms, Brown Dog Ticks, White Grubs, Mole Crickets and many others as listed inside label.

PESTS ROUND HOUSE FOUNDATIONS: Ants, Crickets, Fleas, Brown Dog Ticks, Sowbugs, Spiders (including Black Widow Spiders) and many others as listed inside label.

Kills Black Widow Spiders

DO NOT USE ON HUMANS OR ANIMALS.

[THE FOLLOWING COPY IS FOR FIX-A-FORM BOOKLET TYPE LABELS WHICH CONSUMERS CAN OPEN, READ, AND RESEAL EASILY AT RETAIL AS WELL AS AT TIME OF USE]

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

Be sure the plants, use areas, and pests you want to treat are listed on the label before you spray.

SHAKE WELL

HOW TO USE

- o Connect sprayer to hose. Be sure on/off switch is set to "OFF". Turn on water.
- o Use coin or key to rotate small green button/valve to "OPEN".
- o To begin spraying, point nozzle in the direction you want to spray. Turn on/off switch forward to "ON".
- o To stop spraying, turn on/off switch back to "OFF". Rotate small green button/valve to "CLOSED". Turn off water.
- o To relieve water pressure, turn switch to "ON" until water slows to a drip. Turn

switch back to "OFF". Disconnect from garden hose and store in a safe place.

ROSES, FLOWERS, SHRUBS & SHADE TREES

Amount to Use

Spray plant to wet leaves and branches to dripping point.

When to Apply

Spray when listed pests first appear. Repeat as needed to maintain control.

Pests Controlled

Aphids, Apple and Thorn Skeletonizers, Bagworms, Bean Beetles, Cabbageworms, Codling Moths, Cucumber Beetles, Cutworms, Dipterous Leafminers (such as Arborvitae, Azalea, Birch, Boxwood, Holly, and Oak), European Pine Shoot Moth, Flea Beetles, Hemlock Chermes, Hemlock Woolly Adelgids, Holly Bud Moths, Leafhoppers, Leafminers, Lacebugs, Leafrollers, Mealybugs, Mites (such as Carnation Bud, Carnation Shoot, Clover, Cyclamen, European Red, Privet, and Two-spotted Spider), Oak Loopers, Obscure Root Weevils, Omnivorous Leaf-tiers, Pear Slugs, Scale Crawlers (such as Cottoncushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose and Soft), Spider Mites (see Mites), Tent Caterpillars, Thrips, Webworms (such as Cotoneaster, Fall, Juniper and Mimosa), and Whiteflies.

Plants

Arborvitae, Azalea, Birch, Boxwood, Camellia, Chrysanthemum, Carnation, Crab Apple, Dogwood, Douglas Fir, Elm, Euonymus, Gladiolus †, Hawthorn, Hemlock, Holly, Juniper, Lilac, Lily ies, Locust, Maple, Marigold, Mimosa, Oak, Ornamental Plum, Pine, Poplar, Pyracantha, Rhododendron, Roses, Spirea, Spruce, Sycamore, Wax Plant (Hoya), Willow, Yellowwood, Yew.

DO NOT use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, Gardenia, and Orchids since plant injury may occur.

HOME LAWNS AND OTHER OUTDOOR HOME RECREATIONAL AREAS

Be sure to read the Environmental Hazards section before you begin.

Amount to Use

1. *Measure the area to be sprayed. Calculate square feet by multiplying length by width [walking man icon].*
2. *Spray evenly over lawn area. 3 oz. treats 500 sq ft.*

When to Water

For surface insects/bugs/pests - that live above or near the soil surface, such as Ants, Clover Mites, Crickets, Sod Webworms, Chinch Bugs and Sowbugs, thoroughly water the lawn a few hours before applying. (See above for complete list of lawn surface pests.)

For subsurface insects/bugs/pests that live in the soil, such as European Crane Fly (larvae), Grubs, Hyperodes Weevils, and Mole Crickets, water the lawn after you spray to soak/carry the insecticide down into the soil.

PESTS CONTROLLED

SURFACE PESTS: Ants, Armyworms, Bermudagrass Mites, Brown Dog Ticks, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetle, Digger Wasps, Earwigs, Fleas, Frit Flies, Millipedes, Lawn Billbugs, Lawn Moths, Leafhoppers, Rhodesgrass Scales, Sowbugs (Pillbugs), Sod Webworms, Springtails (Collembola).

SUBSURFACE PESTS: European Crane Fly (Larvae), Grubs (Japanese Beetle, May Beetle, European Chafer, Southern Chafer), Mole Crickets, Hyperodes Weevil.

When to Apply

- o **Grubs and European Crane Fly (larvae):** Consult your County Cooperative Extension Agent for proper time to treat.
- o **Mole Crickets:** Apply in May or June when pests are small.
- o **Brown Dog Ticks:** Spray grass and under shrubbery, particularly near the house. **DO NOT SPRAY PETS WITH THIS PRODUCT.**
- o **Digger Wasps:** Apply at dusk when wasps are not active.
- o **Frit Flies:** Mow and water thoroughly before treatment, but delay application until lawn is dry. Apply when crawlers first emerge.

AROUND HOUSE FOUNDATIONS

Amount To Use

To keep insects from entering the house, spray a five-foot band of soil around the house next to the foundation. Also spray the foundation of the house to a height of 2 feet (DO NOT apply to vinyl siding as staining may occur). 8 oz. of product (1/4 of the bottle) treats about 170 linear feet (approximately 1,200 sq ft). Repeat as needed.

Also spray walks, firewood piles, garbage cans, tree trunks, and into cracks and other places where insects can hide. Do not treat lawns or plants (other than tree trunks) at this rate. Do not burn sprayed firewood for 2 weeks after treatment.

Pests Controlled (Nuisance Pests Outdoors)

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Scorpions, Sowbugs (Pillbugs), Spiders (including Black Widow Spiders), Springtails (Collembola).

VEGETABLES - BEFORE PLANTING

Use a product such as ORTHO Diazinon Soil & Turf Insect Control for best results.

VEGETABLES & MELONS - FOLIAR SPRAY

BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC PLANT YOU ARE SPRAYING (see table).

Amount to Use

Spray vegetables until plants just begin to drip. Each oz treats 1,050 sq ft of garden area. *[Package/label will contain appropriate graduation markings].*

When to Apply

Spray when listed pests first appear.

PESTS CONTROLLED

Aphids, Armyworms, Colorado Potato Beetle, Cucumber Beetles, Diamond-Back Moth (larvae), Dipterous Leafminers*, Flea Beetles, Grasshoppers, Imported Cabbageworms, Leafhoppers, Mexican Bean Beetle, Mites, Spider Mites, Onion Thrips, Thrips, Vinegar Fly, Whiteflies. *NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

VEGETABLES & MELONS	DAYS TO WAIT BETWEEN TREATMENTS	TREATMENTS PER YEAR (MAXIMUM)	DAYS TO WAIT TO HARVEST
Tomatoes	7 to 10	5	1
Winter Squash & Melons	7 to 10	5	3
Peppers	7 to 10	5	5
Beans* (fresh only), Peas* (fresh only)	7 to 10	3	7
Broccoli, Cauliflower, Cucumbers, Summer Squash, Sweet Corn**	7 to 10	5	7
Chinese Broccoli, Chinese Cabbage, Collards, Kale	7 to 10	5	10
Carrots, Endive (Escarole), Lettuce, Onions (Bulb & Green), Parsnips, Radishes, Rutabagas, Spinach, Turnips	7 to 10	5	14
Potatoes	7 to 10	5	35

*NOTE: Do not use on dried bean or pea varieties such as pinto beans, dried limas, split peas or dried black-eyed peas. To protect bees, do not apply to bean or pea foliage if the plants are in bloom or weeds in the treatment area are in bloom.

** Do not apply to corn during the pollen shed period.

Do not treat fruits and vegetables grown in greenhouses. Do not feed treated plants to animals.

HOME FRUITS & NUT TREES, GRAPES & BERRIES

BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC PLANT YOU ARE SPRAYING, INCLUDING THE AMOUNT OF SPRAY WHICH CAN BE APPLIED, THE INTERVAL BETWEEN SPRAYS, AND THE DAYS TO WAIT BEFORE HARVEST.

Amount to Use

Wet the foliage until it just begins to drip.

1 oz treats 375 sq ft of home orchard, 250 sq ft of nut trees, 500 sq ft of grapes or strawberries, and 300 [10/17/97]: sq ft of caneberries.

When To Apply

Start spraying after petal fall. Spray when listed pests first appear.

NOTE: To protect bees, do not apply to fruit trees when trees or a substantial number of weeds around the trees are in bloom.

Pests Controlled

Aphids (such as Black Cherry, Leafcurl Plum, Mealy Plum, and Thistle), Blueberry maggots, Cherry Fruit Flies, Cherry Fruitworms, Cranberry Fruitworms, Fruitworms (Maggots), Fruit Tree Leafrollers, Grape Berry Moth, Grape Leafrollers, Leafhoppers, Leafrollers, Mealybugs, Mites (such as Brown, European Red, Two-Spotted Spider, and Cherry Rust), Raspberry Fruitworms, Raspberry Sawfly, Scale Crawlers (such as Olive, Parlatoria, San Jose, Walnut, Italian Pear, and Frosted), Spider Mites (see Mites), Strawberry Leafroller, Tentiform Leafminers, Thrips, Twig Borers, Walnut Caterpillars.

Amount to Use

PLANT/USE AREA	1 OZ TREATS
HOME ORCHARD	375 SQ FT
NUT TREES	250 SQ FT
GRAPES	500 SQ FT
STRAWBERRIES	500 SQ FT
CANEBERRIES	300 SQ FT

HOME FRUIT & NUT TREES, GRAPES & BERRIES	DAYS TO WAIT BETWEEN TREATMENTS	TREATMENTS PER YEAR (MAXIMUM)	DAYS TO WAIT TO HARVEST
Apricots	14	3	21
Cherries	7 to 10 days	3	21
Nectarines	14	3	21
Peaches	14	3	21
Plums	7 to 10 days	3	21
Prunes	7 to 10 days	3	21
Strawberries	7 to 10 days	3	5
Caneberries* (For use in California, Oregon and Washington ONLY): Blackberries, Blueberries, Boysenberries, Dewberries, Loganberries and Raspberries	14	5	7
Walnuts* (California only)	14	3	45
Grapes	7 to 10 days	5	28

*Note: Do not use this product on caneberries or walnuts grown in other states.

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Be sure the small product control valve/green button is in the closed position. Store in a cool, dry place, preferably in a locked storage area. Store in an area inaccessible to children and pets. If product freezes, place container in a warm area (68°F or above) not accessible to children or pets and allow to thaw. Shake well before using.

DISPOSAL: Be sure the small product control valve/green button is in the closed position. Securely wrap partially filled or empty container in several layers of newspaper and discard in trash. Do not reuse empty container.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Wear a long sleeved shirt and long legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans.

[Reentry Icons] Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds.

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 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.

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.

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 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. If ingested, induce emesis or lavage stomach.

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 of sprays. For lawns, where watering is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs. 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 pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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

[11/6/96]: CIRCLE LOGO: CIBA DIAZINON WATER BASED]

[11/6/96]: SKUNK LOGO: LOW ODOR CIBA DIAZINON]

[11/17/97]: CIRCLE LOGO: DIAZINON WATER BASED

[11/17/97]: SKUNK LOGO: LOW ODOR DIAZINON

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

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SOLARIS®

Manufactured for

The ORTHO Group

P.O. Box 1749

Columbus, OH 43216

Form O-102-01

EPA Reg. No. 239-2643

EPA Est. 239-IA-3^I, 58996-MO-1^A, 56100-LA-1^G

Superscript is first letter of lot number.

Made in USA

3. LOCK'N SPRAY® PRODUCT

[1/13/97 Bug-B-Gon® Multi-Purpose Insect Killer₁]

[ICON] OUTDOOR USE ONLY

[ICON] WATER BASED

Makes 48 gallons of Spray (16 fl. oz./Pint)

Makes 96 Gallons of Spray (32 fl. oz./Quart)

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

For outdoor use on home lawns and home gardens only.

May Be All You Need to Stop Pests/Bugs/Insects

Kills All Major Lawn & Garden Pests

KILLS BUGS

LOCK'N SPRAY - AN INNOVATIVE TECHNICAL BREAKTHROUGH IN SPRAYING

CARTRIDGE FOR THE LOCK'N SPRAY SYSTEM/SPRAYER

USE WITH THE LOCK'N SPRAY SYSTEM/SPRAYER

FOR ORTHO'S LOCK'N SPRAY SMART VERSATILE SPRAYER SYSTEM

EASY TO USE, PREMEASURED, ACCURATE, ACCURATE DOSAGE

SIMPLE, EASY TO USE/ONE STEP APPLICATION

NO MIXING - NO MEASURING - NO MESS

NO MIX, NO MEASURE, NO MESSY CLEAN UP

ELIMINATES MIXING AND MEASURING.

NO MIXING OR MEASURING NECESSARY

NO SPILL, CLEAN AND CONVENIENT TO USE

CLOSED SYSTEM PREVENTS SPILLS

SIMPLE AND EASY

AUTOMATIC LOCKING CLOSURE

AUTOMATICALLY MIXES THE RIGHT AMOUNT OF PRODUCT

JUST LOCK AND SPRAY - SNAP'N SPRAY

FOR ROSES, FLOWERS, SHRUBS, TREES, FRUITS, VEGETABLES, LAWNS,

GARDENS & AROUND HOUSE FOUNDATIONS

CONTROLS GARDEN INSECTS AND LAWN INSECTS

NEW / NOW WATER BASED FORMULA

IMPROVED FORMULA

NEW / NOW LOW ODOR FORMULA

CONCENTRATE

MULTI-PURPOSE BUG/PEST INSECT KILLER

Active Ingredient

Diazinon]..... 22.4%

Other Ingredients..... 77.6%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel Booklet for Additional Precautionary Statements

NET 16 fl oz (1 pint) 473 ml;

NET 32 fl oz (1 quart) 946 ml

Open resealable label for directions and/ & precautions
OPEN LABEL

ORTHO Diazinon Insect Spray controls a wide range of bugs/pests/insects in home lawns and gardens. This product may be all you need to stop insects/bugs/pests on roses, listed flowers, trees, shrubs, lawns, vegetables, fruits, nuts, and around house foundations.

CONTROLS GARDEN INSECTS

Aphids, Cucumber Beetles, Cabbageworms, Codling Moth, Leafhoppers, Mites, Tent Caterpillars, Whiteflies and many others. [opt - as listed inside.]

CONTROLS LAWN INSECTS

Ants, Fleas, Sod Webworms, Brown Dog Ticks, White Grubs, Mole Crickets. [opt - and many others as listed inside] Treats 2,500 sq ft of lawn (pint), 5,000 sq ft of lawn (quart).

Pest Around House Foundations: Ants, Brown Dog Ticks, Crickets, Fleas, Sowbugs, Spiders, (including Black Widow Spiders) and many others

FOR USE WITH THE LOCK 'N SPRAY ® SYSTEM

Lock 'N Spray makes lawn and garden care easy. Simply attach this cartridge to the Lock'N Spray Sprayer (sold separately) Eliminates mixing, measuring, and messy clean up. Prevents spills and leaks. Automatically mixes the right amount of product and water

Product Facts	
KILLS BUGS	<ul style="list-style-type: none"> • Grubs, Mole Crickets, Sod Webworms • Aphids, Cabbageworms, Cucumber Beetles, Leafhoppers, Mites, Tent Caterpillars, Whiteflies • Ants, Crickets, Brown Dog Ticks, Fleas, Sowbugs, Spiders (as listed inside label) • Plus Many More
WHERE TO USE	<ul style="list-style-type: none"> • On lawns • On roses, flowers, shrubs, trees, vegetables, fruits & nuts • Around house foundations
<p>☎ Questions, Comments or Medical Information call 1-800-225-2883 http://www.ortho.com</p>	

- Picture 1 Connect sprayer to hose.
 - Picture 2 Attach and lock cartridge to sprayer. Make sure sprayer nozzle tip is down.
 - Picture 3 Turn on water and spray.
- When finished spraying the cartridge reseals itself automatically. No spills. No leaks. For complete Lock 'N Spray System directions see inside this label.

DO NOT USE ON HUMANS OR ANIMALS.

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.

Be sure the plants, use areas, and pests you want to treat are listed on the label before you spray.

SHAKE WELL-

HOW TO USE THE Lock'N Spray® [logo]

HOW TO USE THE Lock 'N Spray [logo] SYSTEM

Connect sprayer to hose.

Attach cartridge to sprayer. Turn cartridge until it clicks into place.

To begin spraying, rotate sprayer nozzle tip to direct spray up or down, or remove for a 20 to 25 ft jet spray. Turn on water and squeeze trigger.

- To stop spraying, release trigger, unlock cartridge and remove from sprayer. (No need to turn off water).
- To clean sprayer, flush with water, squeezing and releasing trigger in 2 short bursts. Turn off water.
- To disconnect sprayer, relieve water pressure by squeezing trigger.

Cartridge reseals itself automatically - No spills, no leaks! Note: Each cartridge contains five gradations. Therefore, one line equals 2.67 oz (pint) 5.33 oz (quart) of product.

ROSES, FLOWERS, SHRUBS & SHADE TREES

PLANTS: Including Arborvitae, Azaleas, Birch, Boxwood, Camellias, Chrysanthemums, Carnations, Crabapples, Dogwood, Douglas Fir, Elm, Euonymus, Gladioli, Hawthorn, Hemlock, Holly, Juniper, Lilac, Lilies, Locust, Maple, Marigolds, Mimosa, Oak, Ornamental Plum, Pine, Poplar, Pyracantha, Rhododendrons, Roses, Spirea, Spruce, Sycamore, Wax Plant (Hoya), Willow, Yellowwood, Yew.

DO NOT use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, Gardenia, or Orchids since plant injury may occur.

PESTS CONTROLLED [ICON]

Aphids, Apple and/ & Thorn Skeletonizers, Bagworms, Bean Beetles, Cabbageworms, Codling Moths, Cucumber Beetles, Cutworms, Dipterous Leafminers (such as Arborvitae, Azalea, Birch, Boxwood, Holly, and Oak), European Pine Shoot Moth, Flea Beetles, Hemlock Chermes, Hemlock Woolly Adelgid, Holly Bud Moth, Leafhoppers, Leafminers, Lacebugs, Leafrollers, Mealybugs, Mites (such as Carnation Bud, Carnation Shoot, Clover, Cyclamen, European Red, Privet, and Two-spotted Spider), Oak Loopers, Obscure Root Weevil, Omnivorous Leaf-tiers, Pear Slugs, Scale Crawlers (such as Cottoncushion, Euonymus, Lecanium, Pine

Needle, Pit, San Jose and Soft), Spider Mites (see Mites), Tent Caterpillars, Thrips, Webworms (such as Cotoneaster, Fall, Juniper and Mimosa), and Whiteflies.

Amount to Spray

Spray plant to wet leaves and branches to dripping point.

When to Apply {Clock Icon}

Spray when listed pests first appear. Repeat as needed to maintain control.

HOME LAWNS AND OTHER OUTDOOR HOME RECREATIONAL AREAS

Be sure to read the ENVIRONMENTAL HAZARDS section before you begin.

PESTS CONTROLLED {Icon Selected insects}

ABOVE GROUND PESTS: Ants, Armyworms, Bermudagrass Mites, Brown Dog Ticks, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetles, Digger Wasps, Earwigs, Fleas, Frit Flies, Millipedes, Lawn Billbugs, Lawn Moths, Leafhoppers, Rhodesgrass Scales, Sowbugs (Pillbugs), Sod Webworms, Springtails (Collembola).

UNDERGROUND PESTS: European Crane Fly (Larvae), Grubs (Japanese Beetle, May Beetle, European Chafer, Southern Chafer), Mole Crickets, Hyperodes Weevil.

Amount to Spray [Two Easy Steps To Apply - alternate header] [ICON]

1. Measure lawn. Calculate square feet by multiplying length times width [walking man icon].
2. Spray evenly over lawn. Each line on cartridge covers approximately 450 square feet (pint), 900 square feet (quart) **When to Water [WATER HOSE ICON]**
For Above Ground Pests - For insects/bugs/pests that live above or near the soil surface (above ground pests), thoroughly water the lawn a few hours before applying. (See list for lawn surface pests.)

For Underground Pests - For insects/bugs/pests that live in the soil (underground pests) , water the lawn after you spray to soak/carry the insecticide down into the soil.

SPECIAL INSTRUCTIONS [Alternative heading] When to Apply [ICON]

Grubs and/& European Crane Fly (larvae): Consult your County Cooperative Extension Agent for proper time to treat

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

Brown Dog Ticks: Spray grass and under shrubbery, particularly near the house. Do not spray pets with this product.

Digger Wasps: Apply at dusk when wasps are not active.

Frit Flies: Mow and water thoroughly before treatment, but delay application until lawn is dry. Apply when crawlers first emerge.

AROUND HOUSE FOUNDATIONS

PESTS CONTROLLED

NUISANCE PESTS OUTDOORS: *[Icon:Insect]*

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Scorpions, Sowbugs (Pillbugs), Spiders (including Black Widow Spiders), Springtails (Collembola).

Amount to Spray

To keep insects from entering the house, spray a five-foot (5 ft) band of soil around the house next to the foundation. Also spray the foundation of the house to a height of 2 feet. DO NOT apply to vinyl siding as staining may occur. Each line on cartridge covers approximately 57 linear feet (pint), 114 linear feet (quart); [400 square feet (pint), 800 square feet (quart)]. Repeat as needed.

Also spray walks, firewood piles, garbage cans, tree trunks, and into cracks and other places where insects can hide. Do not burn sprayed firewood for 2 weeks after treatment.

VEGETABLES - BEFORE PLANTING

Use a product such as ORTHO Diazinon Soil & Turf Insect Control for best results.

VEGETABLES & MELONS - FOLIAR SPRAY

BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC EDIBLE PLANT YOU ARE SPRAYING INCLUDING THE AMOUNT OF SPRAY WHICH CAN BE APPLIED, THE INTERVAL BETWEEN SPRAYS, AND THE DAYS TO WAIT BEFORE HARVEST. (see below/ table).

PESTS CONTROLLED [ICON: Insect]

Aphids, Armyworms, Colorado Potato Beetles, Cucumber Beetles, Diamond-Back Moth (larvae), Leafminers (Dipterous) * Flea Beetles, Grasshoppers, Imported Cabbageworms, Leafhoppers, Mexican Bean Beetle, Mites, Spider Mites, Onion Thrips, Thrips, Vinegar Fly, Whiteflies.

*NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

Plants: See table below.

Amount to Spray

Spray plants to wet leaves to dripping point. Each line on cartridge covers approximately 2800 square feet (pint), 5600 square feet (quart).

When to Apply [ICON]

Spray when listed pests first appear.[ICON:Selected Insect(s)]. Repeat, if needed. Do not treat fruits and vegetables grown in greenhouses. Do not feed treated plants to animals.

Vegetables & Melons	DAYS TO WAIT BETWEEN APPLICATIONS	APPLICATIONS PER Year (MAXIMUM)	Days to Wait To Harvest
Tomatoes	7 to 10	5	1
Melons, Winter Squash	7 to 10	5	3
Peppers,	7 to 10	5	5
Beans (fresh only)* Peas (fresh only), *	7 to 10	3	7
Broccoli, Cauliflower, Cucumbers, Summer Squash, Sweet Corn**	7 to 10	5	7
Chinese Broccoli, Chinese Cabbage, Collards, Kale	7 to 10	5	10
Carrots, Endive	7 to 10	5	14

(Escarole), Lettuce, Onions (Bulb & Green), Parsnips, Radishes, Rutabagas, Spinach, Turnips			
Potatoes	7 to 10	5	35

*NOTE: This product is registered only for use on fresh beans and peas. Do not use if you plan to grow beans and peas to eat when dried (such as pinto beans, dried limas, split peas or dried black-eyed peas). . To protect bees, do not apply to bean or pea foliage if the plants or weeds in the treatment area are in bloom. **Do not apply to corn during the pollen shed period.

HOME FRUIT & NUT TREES, GRAPES and BERRIES

BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC EDIBLE PLANT YOU ARE SPRAYING, INCLUDING THE AMOUNT OF SPRAY WHICH CAN BE APPLIED, THE INTERVAL BETWEEN SPRAYS, AND THE DAYS TO WAIT BEFORE HARVEST.

PESTS CONTROLLED [ICON]

Aphids (such as Black Cherry, Leafcurl Plum, Mealy Plum, and Thistle), Blueberry maggots, Cherry Fruit Flies, Cherry Fruitworms, Cranberry Fruitworms, Fruitworms (Maggots), Leafrollers (Fruit Tree & Strawberry) Grape Berry Moths, Grape Leafrollers, Leafhoppers, Mealybugs, Mites (such as Brown, European Red, Two-Spotted Spider, and Cherry Rust), Raspberry Fruitworms, Raspberry Sawfly, Scale Crawlers (such as Olive, Parlatoria, San Jose, Walnut, Italian Pear, and Frosted), Spider Mites (see Mites), Strawberry Leafroller, Leafminers (Tentiform), Thrips, Twig Borers, Walnut Caterpillars.

Plants: See Table Below.

FOLIAR SPRAY DIRECTIONS

When to Apply [ICON]

. Spray when listed pests first appear. Start spraying after petal fall. NOTE: To protect bees, do not apply to fruit trees when trees or a substantial number of weeds around the trees are in bloom.

Amount to Spray

Spray plant to wet leaves and branches to dripping point. .

Each line on cartridge to covers approximately 1000 square feet (pint), 2000 square feet (quart) of home fruit trees, 660 square feet (pint), 1320 square feet (quart) of nut trees; 1330 square feet (pint), 2660 square feet (quart) of grapes or strawberries; and 800 square feet (pint), 1600 square feet (quart) of caneberries.

HOME FRUIT & NUT TREES, BERRIES & GRAPES	DAYS TO WAIT BETWEEN APPLICATIONS	APPLICATIONS PER YEAR (Maximum)	DAYS TO WAIT TO HARVEST
Apricots	14	3	21
Cherries	7 to 10	3	21
Nectarines	14	3	21
Peaches	14	3	21
Plums	7 to 10	3	21
Prunes	7 to 10	3	21
Strawberries	7 to 10	3	5
Caneberries*** (For use in California, Oregon and Washington ONLY): Blackberries, Blueberries, Boysenberries, Dewberries, Loganberries and Raspberries	14	5	7
Walnuts*** (California only)	14	3	45
Grapes	7 to 10	5	28

***Note: Do not use this product on caneberries or walnuts grown in other states.

Do not treat fruits and vegetables grown in greenhouses. Do not feed treated plants to animals.

STORAGE AND DISPOSAL [TRASH CAN ICON]

STORAGE: Keep pesticide in original container. Store in a cool, dry place, preferably in a locked storage area. Store in an area inaccessible to children and pets. If product freezes, place container in a warm area (68°F or above) not accessible to children or pets and allow to thaw. Shake well before using.

DISPOSAL: Securely wrap partially filled or empty container in several layers of newspaper and discard in trash. Do not reuse empty container.

**PRECAUTIONARY STATEMENTS [ICON]: Exclamation Point
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Wear a long-sleeved shirt and long-legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans.

[Reentry Icons] Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds.

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 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.

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.

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 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. If ingested, induce emesis or lavage stomach.

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 of sprays. For lawns, where watering is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs. 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 pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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

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

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Solaris®

[11/6/96]: [CIRCLE LOGO: CIBA DIAZINON WATER BASED]
 [11/6/96]: SKUNK LOGO: LOW ODOR CIBA DIAZINON]

[11/17/97]: CIRCLE LOGO: DIAZINON WATER BASED
 [11/17/97]: CIRCLE LOGO: LOW ODOR DIAZINON

Manufactured for
 The ORTHO Group
 P.O. Box 1749
 Columbus, OH 43216
 Form 0-148-02 (Qt)
 EPA Reg. No. 239-2643
 EPA Est. 239-IA-3^I, 58996-MO-1^A, 56100-LA-1^G, 34313-TX-1^H
 Superscript is first letter of lot number
 Made in USA

UPC2.

**LOCK'N SPRAY® PRODUCT
BUG-B-GON® Multi-Purpose Insect Killer**

[11/24/97 shroud top sticker]

PEEL OFF

[11/24/97 shroud sticker]

Free Sprayer
See back for details

[11/11/97 rebate sticker]
Mail-In Refund

**GET A
SPRAYER
FREE
With the purchase of
TWO/ 2 Cartridges**

See Inside for Details

To receive up to \$8
back by mail on your

Lock 'N Spray®
sprayer purchase,
you must:

- Purchase any two Lock 'N Spray 32 oz. Cartridges AND one Lock 'N Spray Sprayer.
- Send your name and address, clearly printed on a 3" x 5" card and your original cash register receipt(s) with qualifying Lock 'N Spray purchase prices circled to:

**Lock 'N Spray Refund
P.O. Box 3138
Grand Rapids, MN
55745-3138**

Offer good only in USA. Limit one refund request per person, household, family or address. Refund is limited to amount paid for sprayer and will be no more than \$8.00. Multiple, commercial or group requests void. Only your original 3" x 5" completed card and original, complete cash register receipt will be honored. No facsimiles or reproductions accepted. Your refund cannot be assigned or transferred. Void where prohibited. Please allow 6-8 weeks for shipment. Request must be received by 9/30/98.

[11/11/97 shroud sticker]

NEW!

**Lock 'N Spray®
SYSTEM**

Easy

[illustration]

Fast

[illustration]

Clean

[illustration]

Sprayer Sold Separately

[11/24/97 Additional text for Lock 'N Spray starter kit card]

ORTHO®

**Lock 'N Spray®
SYSTEM
STARTER KIT**

NEW!

**Reusable
Sprayer
System!**

**CARTRIDGE
SPRAYER**

**ONLY ONE SPRAYER NEEDED FOR
WEED B GON®, BUG B GON® and GREENSWEEP®**

Just lock in a cartridge and you're ready to.....	Kill Weeds [illustration] WEED B GON®	Kill Bugs [illustration] BUG B GON®	Fertilize [illustration] GREENSWEEP®
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[DIAGRAM: Sprayer attached to Bug-B-Gon cartridge]

3 Spray Patterns:

- Up
- Down
- Detach for 20-25 foot jet stream spray

On-Off Trigger

Interchangeable Cartridges (Also sold separately)

[Illustration] Connect sprayer to hose. Easy
[Illustration] Lock cartridge onto sprayer. Fast
[Illustration] Turn on water and squeeze trigger to spray. When finished spraying, the cartridge reseals itself automatically. No spills, no leaks! Clean