

PM03

239-2643

11/25/97

P 1/45

Read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States Environmental Protection Agency Washington, DC 20460

Registration Amendment Other

OPP Identifier Number 259914

Application for Pesticide - Section I

1. Company/Product Number 239-2643
2. EPA Product Manager George LaRocca
3. Proposed Classification None
4. Company/Product (Name) ORTHO Diazinon Insect Spray 2
5. Name and Address of Applicant The SOLARIS Group of Monsanto
6. Expedited Review

Section - II

Amendment - Explain below. Resubmission in response to Agency letter dated. Notification - Explain below. Final printed labels in response to Agency letter dated NOV 25 1997. "Me Too" Application. Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION: (1) Change coverage for caneberries in the Ready-Spray label subset; (2) reformat label text for the Lock'n Spray label subset to make label easier for consumers to read and understand; (3) delete chemical name of diazinon as per PR Notice 97-5; (4) change "Inert Ingredients" to read "Other Ingredients" as per PR Notice 97-6; (5) change telephone numbers; (6) and add icons.

Section - III

1. Material This Product Will Be Packaged In: Child-Resistant Packaging, Unit Packaging, Water Soluble Packaging, 2. Type of Container, 3. Location of Net Contents Information, 4. Size(s) Retail Container, 5. Location of Label Directions, 6. Manner in Which Label is Affixed to Product

Section - IV

1. Contact Point Frank Kamienski, Registration Specialist, Telephone No. 310-355-3335
Certification: I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.
2. Signature Frank Kamienski
3. Title Registration Specialist
4. Typed Name Frank Kamienski
5. Date November 11, 1997
6. Date Application Received (Stamped)

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

1. LIQUID CONCENTRATE PRODUCT

[1/13/97]: 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

~~ORTHO Diazinon Insect Spray₂~~

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

Active Ingredient

Diazinon [O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate].....	22.4%
Inert Ingredients.....	77.6%

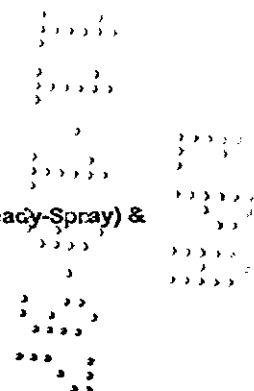
KEEP OUT OF REACH OF CHILDREN

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

239-2643.N8 EPA Accepted 8/25/96
 Notifications of 7/23/96, 1/13/97, 1/17/97 (Lock n Spray), 2/11/97 (Concentrate & Ready Spray) &
 11/11/97 (Lock'N Spray)



INSTRUCTIONS PULL HERE TO
OPEN HERE OPEN LABEL
PEEL HERE

OPEN RESEALABLE LABEL FOR DIRECTIONS & PRECAUTIONS
Peel open for use directions and further information.

~~ORTHO-Diazinon Insect Spray~~, Diazinon Ultra™ 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 roses, listed flowers, trees, shrubs, lawns, vegetables, fruits, nuts, and around house foundations. ~~ORTHO-Diazinon Insect Spray~~, Diazinon Ultra™ 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.

CONTROLS 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.

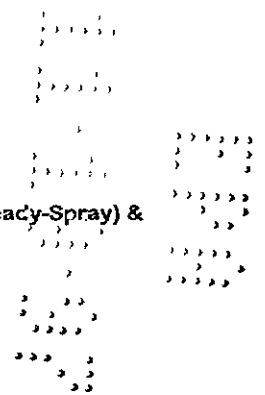
Kills Black Widow Spiders

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

[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]

Press to reseal.

239-2643.N8 EPA Accepted 8/26/96
Notifications of 7/23/96, 1/13/97, 1/17/97 (Lock n Spray), 2/11/97 (Concentrate & Ready-Spray) & 11/11/97 (Lock'N Spray)



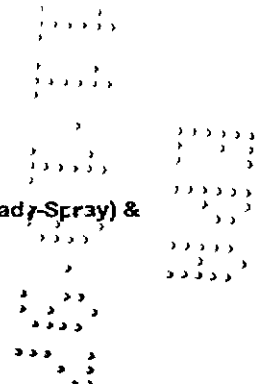
INFORMATION BELOW DELETED SINCE REDUNDANT AND APPEARS IN OTHER PORTIONS OF LABEL TEXT

~~CAUTION: Harmful if swallowed, inhaled or absorbed through skin. See additional precautionary statements and use directions inside booklet.~~

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

Manufactured for
The ~~SOLARIS~~ Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Ferm
EPA Reg. No. 239-2643 / Product
EPA Est. 239-1A-3, 58996-MO-1*
Superscript is first letter of lot number
Made in USA

239-2643.N8 EPA Accepted 8/26/96
Notifications of 7/23/96, 1/13/97, 1/17/97 (Lock n Spray), 2/11/97 (Concentrate & Ready Spray) &
11/11/97 (Lock'N Spray)



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

Quick-Reference

OPTIONAL MEASURING CAP INSTRUCTIONS

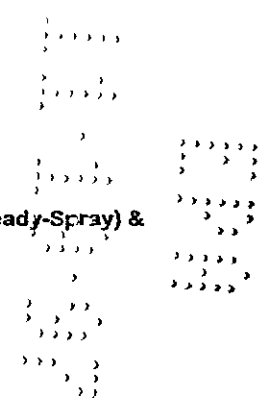
PLANT / USE AREA	MEASURING CAP INSTRUCTIONS TO MAKE 1 GALLON OF SPRAY
LAWN INSECT CONTROL	Fill cap to level 1 one and one-half times (1-1/2 tsp)
ROSES, FLOWERS, SHRUBS, SHADE TREES	Fill cap to level 1 two times (2 tsp)
VEGETABLES, FRUITS & NUTS	See label text
FIRE ANT CONTROL	Fill cap to level 3 (1 oz)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

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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.

[Text reformatted above]: ~~DILUTION RATE: 2 tsp per gallon of water. Fill cap to level 1 two times. Add to 1 gallon of water. Apply with a hose end or tank type sprayer. To apply with an ORTHO® DIAL 'n SPRAY® Hose End Sprayer, simply pour product into sprayer jar. (You do not need to measure.) Do not add water. Set dial to 2 tsp and spray. Any leftover concentrate may be poured back into the original container.~~

When to Apply

- o ~~Start spraying after blooming. 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 trees- they or a substantial number of weeds around the trees are in bloom.
- o Be sure to follow important limitations for the specific crop 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.

<u>VEGETABLES & MELONS</u>	<u>DAYS TO WAIT BETWEEN TREATMENTS/ APPLICATIONS</u>	<u>TREATMENTS/ APPLICATIONS PER YEAR (MAXIMUM)</u>	<u>DAYS TO WAIT TO HARVEST</u>
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 ~~erap~~ plants or weeds in the treatment area are in bloom. **
 Do not apply to corn during the pollen shed period.

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

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

HOME ALMOND TREES - DORMANT SEASON IN CALIFORNIA ONLY

Spray once during the dormant season (before leaves come out) to control San Jose and Parlatoria scale.

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

Repeat as needed to maintain control.

COMBINATION SPRAY WITH FUNGICIDE ON ROSES

~~ORTHO~~ 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

~~On Home Lawns~~

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.

~~THREE EASY STEPS TO MIX AND APPLY~~

How to Apply

~~1. 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.~~

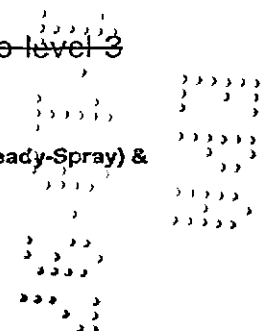
~~2. Use a clean sprayer, such as a tank type or hose end sprayer. Carefully mix the proper amount of concentrate with water for the size of your lawn.~~

~~3. DILUTION RATE: Mix 1 1/2 tsp per gallon of water. Fill cap to level 1 one and a half times. Add to 1 gallon of water. One gallon of spray treats 42 sq ft of lawn. To treat 500 sq ft mix 3 oz of product in 12 gallons of water. To treat 1000 sq ft mix 6 oz in 24 gallons of water.~~

~~To apply with an ORTHO® DIAL 'n SPRAY® Hose-End Sprayer: Fill cap to level 3~~

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- 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.

Wireworms: Cabbage, Carrots, Lettuce, Peas*, Snap Beans*, Sweet Corn, Tomatoes.

~~To Control Cutworms & Wireworms: DILUTION RATE: Fill cap to level 4 (2 fl oz). Add to 1 gallon of water. Spray evenly over 350 sq ft of garden area just before planting. Immediately mix into soil 2 to 3 inches for Surface Cutworms, 3 to 6 inches for Subterranean Cutworms, and 4 to 8 inches for Wireworms. To apply with an ORTHO® DIAL 'n SPRAY® Hose End Sprayer: Fill cap to level 4 (2 oz) for every 350 sq ft of home garden area. Set dial to 2 fl oz and spray evenly over measured area.~~

~~To Control Mole Crickets: Beets, Carrots, Beans* (Lima, Pole, & Snap), Peas*, Sweet Corn. DILUTION RATE: 1 to 2 days before planting, fill cap to level 1 four times (4 tsp). Add to 1 gallon of water. Spray evenly over 350 sq ft of garden area. Immediately mix into the soil to a depth of 1 to 2 inches.~~

~~To Control Root Maggots: Cabbage. DILUTION RATE: Fill cap to level 4 (2 fl oz). Add to 1 gallon of water. Spray evenly over 350 sq ft of garden area. Immediately mix into the soil to a depth of 2 to 3 inches.~~

~~VEGETABLES FOLIAR SPRAY~~

~~PLANTS: Beans † (fresh only), Broccoli, Carrots, Cauliflower, Chinese Broccoli, Chinese Cabbage, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons (Cantaloupes, Casaba, Crenshaws, Honeydews, Muskmelons, Persian, and Hybrids of these), Onions (Bulb & Green), Parsnips, Peas † (fresh only), Peppers, Potatoes,~~

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18/45

2. READY-SPRAY® PRODUCT
ORTHO®

[ICON] WATER BASED

IC

[7/23/96]: ABN: BUG-B-GON™ Ready-Spray®₁

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 [O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)
phosphorothioate]

.....22.4%
Inert 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

INFORMATION BELOW DELETED SINCE REDUNDANT AND APPEARS IN OTHER PORTIONS OF LABEL TEXT

~~Peel open for use directions and further information.~~

~~CAUTION: Harmful if swallowed, inhaled or absorbed through skin. See additional precautionary statements and use directions inside booklet.~~

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

~~TM Trademarks of Monsanto Company
© Monsanto Company 1997
SOLARIS®~~

~~Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form 0-102-01
EPA Reg. No. 239-2643/Product 6049
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.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS. 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.

~~Connect spray nozzle to garden hose. Turn the green ON/OFF valve to OFF. Turn on water at faucet. Use a coin or key to rotate the small green product control valve located near front of nozzle forward (clockwise) to OPEN.~~

~~To begin spraying, point nozzle in the direction you want to spray. Turn the green valve to ON. Water mixes with the product to deliver the proper amount of spray per gallon.~~

~~To stop spraying, turn green valve to OFF, rotate small product control valve back to CLOSED. Turn off water at faucet. To relieve pressure, turn ON/OFF valve to ON before removing nozzle from hose.~~

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

~~On Roses, Flowers, Shrubs & Shade Trees~~

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 Cotoncushion, 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.

~~TWO EASY STEPS TO APPLY~~

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

~~On Home Lawns~~

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 SPECIAL INSTRUCTIONS

o **Grubs and European Crane Fly (larvae):** Consult your County Cooperative Extension Agent ~~local Agricultural Extension Service~~ for proper time to treat. ~~lawn pests as~~

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

o ~~For Brown Dog Ticks:~~ Spray grass and under shrubbery, particularly near the house. **DO NOT SPRAY PETS WITH THIS PRODUCT.**

o ~~For 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 NUISANCE PESTS OUTDOORS: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. *[advisory statement]* (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. ~~(1 oz. per 150 sq. ft.)~~ 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 SPRAYFOLIAR SPRAY DIRECTIONS

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

~~PLANTS: Beans (fresh only), Broccoli, Carrots, Cauliflower, Chinese Broccoli, Chinese Cabbage, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons (Cantaloupes, Casaba, Crenshaws, Honeydews, Muskmelons, Persian, and Hybrids of these), Onions (Bulb & Green), Parsnips, Peas (fresh only), Peppers, Potatoes, Radishes, Rutabagas, Spinach, Summer Squash, Winter Squash, Sweet Corn, Tomatoes, and Turnips.~~

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**On Vegetables & Melons**

Foliar Spray: 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.

Repeat sprays 7 to 10 days apart if needed, but do not apply more than 3 times per season for Beans and Peas, or more than 5 times per season for all other listed vegetables.

<u>VEGETABLES & MELONS</u>	<u>DAYS TO WAIT BETWEEN TREATMENTS</u>	<u>TREATMENTS PER YEAR (MAXIMUM)</u>	<u>DAYS TO WAIT TO HARVEST</u>
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 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.

Wait the following number of days before harvesting vegetables:

Vegetables _____ Days to Wait Before Harvest

Tomatoes _____ 1 day

Melons, Winter Squash _____ 3 days

Peppers, Strawberries _____ 5 days

Beans + (fresh only), Broccoli, _____ 7 days

Cauliflower, _____

Cucumbers, Peas + (fresh only),

Summer Squash, Sweet Corn

Chinese Broccoli, Chinese Cabbage, _____ 10 days

Collards, Kale _____

Carrots, Endive (Escarole), Lettuce, _____ 14 days

Onions (Bulb & Green), Parsnips,

Radishes, Rutabagas, Spinach, Turnips _____

Potatoes _____ 35 days

HOME FRUITS & NUT TREES, GRAPES & BERRIES

BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC PLANT CROP 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

[Text revised below]: Start spraying after blooming. Spray when listed pests first appear. Wet the foliage until it just begins to drip. NOTE: To protect bees, do not apply to fruit trees when trees or a substantial number of weeds around the trees are in bloom.

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 300-350 [10/17/97]: sq ft of caneberries.

When To Apply

Start spraying after petal fall blooming. 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

~~Home Fruit Trees, Grapes & Berries:~~

Aphids (such as Black Cherry, Leafcurl Plum, Mealy Plum, and Thistle), Blueberry maggots, Cherry Fruit Flies, Cherry Fruitworms, Cranberry Fruitworms, ~~Dried Fruit Beetles~~, Fruitworms (Maggots), Fruit Tree Leafrollers, Grape Berry Moth, Grape Leafhoppers, 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.

~~FOLIAR SPRAY DIRECTIONS~~

Amount to Use

<u>PLANT/USE AREA</u>	<u>1 OZ TREATS</u>
HOME ORCHARD	375 SQ. FT
NUT TREES	250 SQ. FT
GRAPES	500 SQ. FT
STRAWBERRIES	500 SQ. FT
CANE BERRIES	<u>300 350 SQ. FT [10/17/95]</u>

HOME FRUITS & NUT TREES - TREATMENT LIMITATIONS

<u>HOME FRUIT & NUT TREES, GRAPES & BERRIES</u>	DAYS TO WAIT BETWEEN TREATMENTS	TREATMENTS PER YEAR (MAXIMUM) (Max)	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
<u>Strawberries</u>	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.

HOME ALMOND TREES - DORMANT SEASON IN CALIFORNIA ONLY

Spray once during the dormant season (before leaves come out) to control San Jose and Parlatoria scale.

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 physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing. **IF IN EYES:** Rinse eyes with plenty of water and call a physician if irritation persists. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention. **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]

29/45
0

[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>

~~☛ Medical Information call 1-800-454-2333~~
~~— Product Information call 1-800-225-2883~~

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SOLARIS®

Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form 0-102-01
EPA Reg. No. 239-2643
EPA Est. 239-1A-3^f, 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 Killer,]

[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.

[11/11/97]: 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 [11/11/97]

Diazinon-[0,0-Diethyl-O-(2-isopropyl-6-methyl-4-pyrimidinyl)]

—phosphorothioate].....22.4%

Other Inert Ingredients.....77.6%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel Booklet for Additional Precautionary Statements

NET CONTENTS-16 fl oz (1 pint) 473 ml;

NET-CONTENTS 32 fl oz (1 quart) 946 ml

[1/17/97] Open resealable label for directions and/ & precautions [in arrow format]

**INSTRUCTIONS PULL HERE TO
OPEN HERE OPEN LABEL**

ORTHO Diazinon Insect Spray² 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.

Treats 2,500 sq ft of lawn (pint), 5,000 sq ft of lawn (quart). [moved to below]

CONTROLS GARDEN INSECTS

Aphids, Cucumber Beetles, Cabbageworms, Codling Moth, [1/17/97] Leafhoppers, Mites, Tent Caterpillars, [added from pest controlled list] Whiteflies and many others. [1/17/96 opt - as listed inside.]

CONTROLS LAWN INSECTS

Ants, Fleas, Sod Webworms, Brown Dog Ticks, White Grubs, [1/17/97] Mole Crickets. [added from pest controlled list] [1/17/96 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. [1/17/96 opt - as listed inside] [moved from inside booklet to aid consumer understanding prior to purchase]


~~Kills Black Widow Spiders [redundant]~~

[1/17/97] FOR USE WITH THE LOCK 'N SPRAY™ SYSTEM

[1/11/97]: Lock 'N Spray makes lawn and garden care easy. Simply choose the attach this cartridge to the Lock'N Spray Sprayer application that you need and attach it to the sprayer (sold separately) as shown. Eliminates mixing, measuring, and messy clean up. Prevents spills and leaks. Automatically mixes the right amount of product and water for accurate dosage.

[11/11/97]

Product Facts	
KILLS	• Grubs, Mole Crickets, Sod Webworms
BUGS	• 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	• On lawns
TO USE	• On roses, flowers, shrubs, trees, vegetables, fruits & nuts • Around house foundations
 Questions, Comments or Medical Information call 1-800-225-2883 http://www.ortho.com	

- 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.

~~[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]~~

~~[11/11/97]: Open resealable label for directions and precautions.~~

~~Peel open for use directions and further information.~~

~~CAUTION: Harmful if swallowed, inhaled or absorbed through skin. See additional precautionary statements and use directions inside booklet.~~

~~[11/11/97]: TEXT BELOW DELETED SINCE REDUNDANT AND APPEARS IN OTHER PORTIONS OF LABEL TEXT~~

~~☎ Medical Information call 1-800-454-2333
— Product Information call 1-800-225-2883~~

~~Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808~~

~~Form
EPA Reg. No. 239-2643—
EPA Est. 239-1A-3¹, 58996 MO-1^A, 56100 LA-1^S, 34313 TX-1^H
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.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS. Be sure the plants, use areas, and pests you want to treat are listed on the label before you spray.

[11/11/97]: SHAKE WELL

~~HOW TO USE [directions clarified for ease of consumer understanding]~~

- ~~1. Connect sprayer to garden hose by turning the sprayer hose connector.~~
- ~~2. Peel off sticker from the top of cartridge.~~
- ~~3. Point sprayer away from you. Hold cartridge so label faces you. Attach cartridge to sprayer.~~
- ~~4. Turn cartridge in either direction until it clicks into place.~~
- ~~5. Turn on water.~~
- ~~6. Rotate sprayer nozzle to direct spray up or down, or remove for a 20-25 foot jet spray.~~
- ~~7. Squeeze (color) trigger and begin spraying.~~
- ~~8. When finished, release (color) trigger then turn cartridge to unlock and remove from sprayer. (No need to turn off water.)~~
- ~~9. Flush sprayer with water, squeezing and releasing the (color) trigger in short bursts 2 or more times.~~
- ~~10. Turn off water and squeeze the (color) trigger to relieve water pressure.~~
- ~~11. Leave sprayer on garden hose for use as a watering device, or disconnect, shake off excess water, and store in a safe place.~~

[11/11/97] HOW TO USE THE Lock'N Spray® [logo] SYSTEM

CONNECT Illustration #1	Connect sprayer to hose.
ATTACH Illustration #2	Attach cartridge to sprayer. Turn cartridge until it clicks into place.
SPRAY Illustration #3	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.
FINISH Reverse Illustration #2	<ul style="list-style-type: none"> • 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.



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, ~~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, or ~~and~~ Orchids since plant injury may occur.

PESTS CONTROLLED [Icon]

~~On Roses, Flowers, Shrubs & Shade Trees [redundant text deleted]~~

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.

[directions divided to provide clarity]

Amount to Spray Use

~~Spray when listed pests first appear.~~ Spray plant to wet leaves and branches to dripping point. ~~Repeat as needed to maintain control.~~

When to Apply [Clock Icon]

Spray when listed pests first appear. ~~Spray plant to wet leaves and branches to dripping point.~~ 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]

~~On Home Lawns [redundant]~~

ABOVE GROUND 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).

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

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

1. Measure lawn. ~~the area to be sprayed.~~ Calculate square feet by multiplying length ~~by~~ times width [walking man icon].
2. Spray evenly over lawn. ~~area.~~ Each line on cartridge represents ~~the amount of product needed to cover~~ approximately 450 square feet (pint), 900 square feet (quart) ~~of lawn.~~

When to Water [WATER HOSE ICON]

[1/17/97] For Above Ground Surface Pests - For insects/bugs/pests that live above or near the soil surface (above ground pests), such as ~~Ants, Clover Mites, Crickets, Sod Webworms, Chinch Bugs and Sowbugs, [redundant]~~ thoroughly water the lawn a few hours before applying. (See ~~above for complete list of~~ for lawn surface pests.)

[1/17/97] For Underground Subsurface Pests - For insects/bugs/pests that live in the soil (underground pests), such as ~~European Crane Fly (larvae), Grubs, Hyperodes Weevils, and Mole Crickets, [redundant]~~ water the lawn after you spray to soak/carry the insecticide down into the soil.

SPECIAL INSTRUCTIONS[1/17/97] Alternative heading When to Apply [ICON]
Grubs and/ & European Crane Fly (larvae): Consult your ~~local~~ County Cooperative Extension Agent ~~Agricultural Extension Service~~ for proper time to treat lawn pests such as ~~Grubs and European Crane Fly (larvae).~~ ~~[text reordered to aid in consumer understanding]~~

- ~~For~~ Mole Crickets: Apply in May or June when pests are small.
- ~~For~~ Brown Dog Ticks: Spray grass and under shrubbery, particularly near the house. Do not spray pets with this product.
- ~~For~~ 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: *[heading moved from below]* *[con: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).

~~NUISANCE PESTS OUTDOORS:~~ 1/17/97 Amount to Spray Use
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. *[advisory statement]* DO NOT apply to vinyl siding as staining
may occur. Each line on cartridge represents the amount of product needed to
covers approximately 57 linear feet (pint), 114 linear feet (quart); [400 square feet
(pint), 800 square feet (quart)]. Repeat as needed. ~~Do not treat lawns or plants
(other than tree trunks) at this rate.~~ *[Copy moved from below]*

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.~~ *[text moved to above]* 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 CROP 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). [moved from below]

~~PLANTS: Beans (fresh only), Broccoli, Carrots, Cauliflower, Chinese Broccoli, Chinese Cabbage, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons (Cantaloupes, Casaba, Crenshaws, Honeydews, Muskmelons, Persian, and Hybrids of these), Onions (Bulb & Green), Parsnips, Peas (fresh only), Peppers, Potatoes, Radishes, Rutabagas, Spinach, Summer Squash, Winter Squash, Sweet Corn, Tomatoes, and Turnips. [text moved into tabular form]~~

PESTS CONTROLLED [ICON: Insect]

~~On Vegetables & Melons~~

~~Foliar Spray: [redundant] Aphids, Armyworms, Colorado Potato Beetles, Cucumber Beetles, Diamond-Back Moth (larvae), Leafminers (Dipterous) * 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.

Plants: See table below. [11/11/97]

~~FOLIAR SPRAY DIRECTIONS [redundant]~~

~~BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC CROP YOU ARE SPRAYING (see below).~~

[1/17/97] Amount to Spray Use

~~Spray when listed pests first appear. Spray plants to wet leaves to dripping point. vegetables until plants just begin to drip. Each line on cartridge represents the amount of product needed to covers approximately 2800 square feet (pint), 5600 square feet (quart). Repeat sprays 7 to 10 days apart if needed, but do not apply more than 3 times per season for Beans and Peas, or more than 5 times per season for all other listed vegetables. Do not treat fruits and vegetables grown in greenhouses. Do not feed treated plants to animals. [text moved to below and into tabular format for ease of consumer understanding]~~

[1/17/97] 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.

<u>Vegetables & Melons</u>	<u>DAYS TO WAIT BETWEEN APPLICATIONS TREATMENTS</u>	<u>APPLICATIONS treatments-PER Year (MAXIMUM) Max</u>	<u>Days to Wait To Before Harvest</u>
<u>Tomatoes</u>	<u>7 to 10</u>	<u>5</u>	<u>1</u>
<u>Melons, Winter Squash</u>	<u>7 to 10</u>	<u>5</u>	<u>3</u>
<u>Peppers,</u>	<u>7 to 10</u>	<u>5</u>	<u>5</u>
<u>Beans (fresh only)*</u> <u>Peas (fresh only),*</u>	<u>7 to 10</u>	<u>3</u>	<u>7</u>
<u>Broccoli, Cauliflower,</u> <u>Cucumbers, Summer Squash, Sweet Corn**</u>	<u>7 to 10</u>	<u>5</u>	<u>7</u>
<u>Chinese Broccoli,</u> <u>Chinese Cabbage,</u> <u>Collards, Kale</u>	<u>7 to 10</u>	<u>5</u>	<u>10</u>
<u>Carrots, Endive (Escarole), Lettuce,</u> <u>Onions (Bulb & Green), Parsnips,</u> <u>Radishes, Rutabagas,</u> <u>Spinach, Turnips</u>	<u>7 to 10</u>	<u>5</u>	<u>14</u>
<u>Potatoes</u>	<u>7 to 10</u>	<u>5</u>	<u>35</u>

*NOTE: [11/11/97] 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). 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.

[Information included in table above]

Wait the following number of days before harvesting vegetables:

Vegetables _____ Days to Wait Before Harvest
Tomatoes _____ 1 day

Melons, Winter Squash _____ 3 days

~~Peppers, Strawberries~~ ~~5 days~~

~~Beans † (fresh only), Broccoli,~~ ~~7 days~~
~~Cauliflower,~~

~~Cucumbers, Peas † (fresh only),~~
~~Summer Squash, Sweet Corn~~

~~Chinese Broccoli, Chinese Cabbage,~~ ~~10 days~~
~~Collards, Kale~~

~~Carrots, Endive (Escarole), Lettuce,~~ ~~14 days~~
~~Onions (Bulb & Green), Parsnips,~~
~~Radishes, Rutabagas, Spinach, Turnips~~

~~Potatoes~~ ~~35 days~~

~~† 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 crop 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

[moved from below]

BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC EDIBLE PLANT CROP 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]

~~Home Fruit Trees, Grapes & Berries:~~ *[redundant]*

Aphids (such as Black Cherry, Leafcurl Plum, Mealy Plum, and Thistle), Blueberry maggots, Cherry Fruit Flies, Cherry Fruitworms, Cranberry Fruitworms, ~~Dried Fruit Beetles~~, Fruitworms (Maggots), Leafrollers (Fruit Tree & Strawberry) ~~Leafrollers~~, 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), ~~Leafminers~~, Thrips, Twig Borers, Walnut Caterpillars.

Plants: See Table Below. [11/11/97]

FOLIAR SPRAY DIRECTIONS

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

[1/17/97] When to Apply [ICON]

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

[1/17/96] Amount to Spray Use

Spray plant to wet leaves and branches to dripping point. Wet the foliage until it just begins to drip.

~~Each line on cartridge represents the amount of product needed to covers~~ approximately 1000 square feet (pint), 2000 square feet (quart) of home fruit trees, orchard; 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 ~~930~~-square feet (pint), 1600 ~~1860~~-square feet (quart) of caneberries.

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

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HOME FRUITS & NUT TREES - TREATMENT LIMITATIONS

HOME FRUIT & NUT TREES, BERRIES & GRAPES	DAYS TO WAIT BETWEEN APPLICATIONS TREATMENTS	APPLICATIONS TREATMENTS PER YEAR (Maximum) (Max)	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.

HOME ALMOND TREES - DORMANT SEASON IN CALIFORNIA ONLY

Almonds: Spray once during the dormant season (before leaves come out) to control San Jose and Parlatoria scale.

[11/11/97]: Do not treat fruits and vegetables grown in greenhouses. Do not feed treated plants to animals.

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| 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 11/11/97

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 physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing. **IF IN EYES:** Rinse eyes with plenty of water and call a physician if irritation persists. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention. **Note to Physicians:** Emergency Information call 1-800-225-2883 ~~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.

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



rebate sticker cover

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.
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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 gross 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.

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239-2643.N8

EPA Accepted 8/26/96
Notifications of 7/23/96, 11/6/96, 1/13/97, 1/17/97 (Lock n Spray), 2/11/97
Concentrate & Ready-Spray), 3/25/97 & 10/17/97 (Lock'N Spray)