


Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <b>186299</b>
	Application for Pesticide:		

Section I		
1. Company/Product Number 239-2643	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) ORTHO Diazinon Insect Spray <sub>2</sub>	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) The SOLARIS Group of Monsanto Company P. O. Box 5006, San Ramon, CA 94583-0906 <input type="checkbox"/> Check if this is a new address.		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section II	
<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

**NOTIFICATION**  
MAR 6 1997

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

**NOTIFICATION:** Reformat label for the 1. LIQUID CONCENTRATE PRODUCT and 2. READY-SPRAY PRODUCT subsets to make label easier for consumer read & understand. Added/reformatted text is highlighted; deleted text is stricken out. This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46 and no other changes have been made to the labeling or the CSF for this product. Enclosed are finished labels for the ABNS ORTHO Diazinon Ultra<sup>®</sup> Insect Spray (0-151-01) and BUG-B-GON Ready-Spray<sup>®</sup> (0-102-01).

Section III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Unit Package wgt. _____	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Package wgt. _____	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted.		No. per container _____	No. per container _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) of Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other (_____)			

Section IV		
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name F. X. Kamienski	Title Registration Specialist	Telephone No. (Include Area Code) (510) 555-3325

<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Francis X. Kamienski</i>	3. Title Registration Specialist	
4. Typed Name Francis X. Kamienski	5. Date February 11, 1997	

2748

**ORTHO**

**NOW LOW ODOR FORMULA**

# Bug-B-Gon™

## Ready Spray<sup>i</sup>

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

**READY TO SPRAY**

**Multi-Purpose Insect Killer**

*For Roses, Flowers, Shrubs, Trees, Fruits, Vegetables, Lawns, & Around House Foundations*

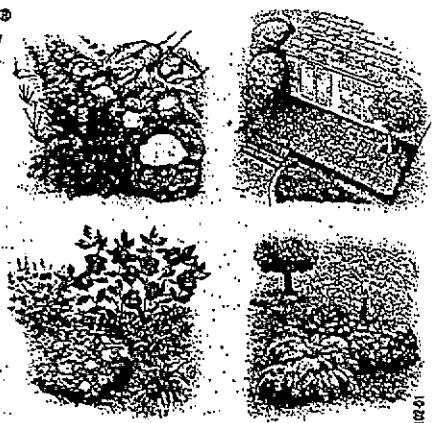
For outdoor use on home lawns and home gardens only.

Active Ingredient	
Diazinon [0,0-dimethyl 0-(2-isopropyl-6-methyl-pyrimidinyl) phosphorothioate]	72.4%
Inert Ingredients	27.6%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION** See back panel booklet for additional precautionary statements.

**NET CONTENTS 32 FL OZ (1 QT) 946 mL**



**NOTIFICATION**  
MAR 6 1999



ITF CODE IS 910201

Front

**ORTHO**

OPEN RESEALABLE LABEL FOR DIRECTIONS & PRECAUTIONS.

PEEL HERE

## Bug-B-Gon™ Ready Spray<sup>i</sup>

*Controls a wide range of insects on lawns, roses, listed flowers, trees, shrubs, vegetables, fruits, nuts, and around house foundations.*

**Lawn Insects:** White Grubs, Sod Webworms, Mole Crickets and many others as listed inside label.

**Garden Insects:** Aphids, Cucumber Beetles, Leafhoppers, Mites, Tent Caterpillars, Whiteflies and many others as listed inside label.

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

*Treats 5,000 sq ft of lawn (96 gallons of spray).*

**DO NOT USE ON HUMANS OR ANIMALS.**

PRESS TO RESEAL

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-LA-3, 58996-4M-1A, 56100-LA-16  
Superscript is first letter of lot number  
Made in USA



0 71549 01714 9 A

ITF CODE I 010201

**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**

- Connect sprayer to hose. Be sure on/off switch is set to "OFF". Turn on water.
- Use coin or key to rotate small green button to "OPEN".
- To begin spraying, point nozzle in the direction you want to spray. Turn on/off switch forward to "ON".
- To stop spraying, turn on/off switch back to "OFF". Rotate small green button to "CLOSED". Turn off water.
- 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, European Pine Shoot Moth, Flea Beetles, Hemlock Woolly Adelgids, Holly Bud Moths, Lacebugs, Leafhoppers, Leafminers, Leafrollers, Mealybugs, Oak Loopers, Obscure Root Weevils, Omnivorous Leafhoppers, Pear Slugs, Scale Crawlers, Spider Mites, Tent Caterpillars, Thrips, Webworms and Whiteflies.

**Plants**

Arborvitae, Azalea, Birch, Boxwood, Camellia, Chrysanthemum, Carnation, Crab Apples, Dogwood, Douglas Fir, Elm, Euonymus, Gladiolus, Hawthorn, Hemlock, Holly, Juniper, Lilac, Lily, 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.
2. Spray evenly over lawn area. 3 oz treats 500 sq ft.



**When to Water**

For surface pests - that live above or near the soil surface, thoroughly water the lawn a few hours before applying.

For subsurface pests - that live in the soil, water the lawn after you spray to soak 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**

- 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**

**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 ft. (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.

**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, Spider Mites, 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
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 (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.

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

**HOME FRUIT & 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 350 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, Cherry Fruit Flies, Fruitworms (Maggots), Grape Berry Moth, Grape Leafrollers, Leafhoppers, Leafrollers, Mealybugs, Raspberry Sawfly, Scale Crawlers, Spider Mites, Tentiform Leafminers, Thrips, Twig Borers, Walnut Caterpillars.

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	3	21
Nectarines	14	3	21
Peaches	14	3	21
Plums	7 to 10	3	21
Prunes	7 to 10	3	21


(Continued)

**STORAGE AND DISPOSAL**

**STORAGE:** Keep pesticide in original container. Be sure the small 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 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.

 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.

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

**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.

**PRECAUTIONARY STATEMENTS (Continued)**

**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.



 Medical information call 1-800-454-2333  
Product information call 1-800-225-2883

©,™ Trademarks of Monsanto Company  
Monsanto Company 1997  
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, 58996-MG-1A, 56100-LA-1F  
Superscript is first letter of lot number  
Made in USA

1/4

1/2

3/4

5 9 48

**ORTHO®**

**NOW LOW ODOR FORMULA**

# Diazinon Ultra™

## Insect Spray

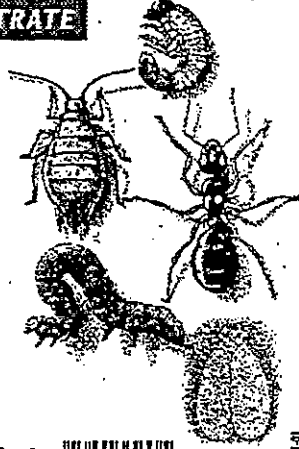
*This product must not be used on golf courses or sod farms.*



**WATER-BASED CONCENTRATE**

### Multi-Purpose Insect Killer

*For Roses, Flowers, Shrubs, Trees, Fruits, Vegetables, Lawns, Gardens & Around House Foundations*



For Outdoor Use on Home Lawns and Home Gardens Only.

Active Ingredient  
Diazinon (0,0-Diethyl O-(2-isopropyl-6-methyl-4-pyridinyl) 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**



9-151-01

**NOTIFICATION**  
MAR 6 1997

ITF CODE IS 915101

Front

**ORTHO®**

OPEN RESEALABLE LABEL FOR DIRECTIONS & PRECAUTIONS

PEEL HERE

# Diazinon Ultra™ Insect Spray

*Controls a wide range of insects on lawns, roses, listed flowers, trees, shrubs, vegetables, fruits, nuts, and around house foundations. Easy to apply with an ORTHO® DIAL 'n SPRAY®, hose-end, or tank-type sprayer.*

**Lawn Insects:** White Grubs, Sod Webworms, Mole Crickets & many others as listed inside label.

**Garden Insects:** Aphids, Cucumber Beetles, Mites, Tent Caterpillars, Cabbageworms, Whiteflies & 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.

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

PRESS TO RESEAL



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



ITF CODE IS 015101

Manufactured for  
The SOLARIS Group of  
Monsanto Company  
P.O. Box 5098  
San Ramon CA 94583-0808  
Form 0-151-01  
EPA Reg. No. 239-2643  
EPA Est. 239-1A-31, 58996-MO-1A  
Superscript is first letter of lot number

SOLARIS®



0 71549 01762 H

**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**

1 tsp = Teaspoon      1 Tbs = Tablespoon = 1/2 fl oz

**ROSES, FLOWERS, SHRUBS & SHADE TREES**

Including: Arborvitae, Azalea, Birch, Boxwood, Camellia, Chrysanthemum, Carnation, Crabapple, Dogwood, Douglas Fir, Elm, Euonymus, Gladiolus, Hawthorn, Hemlock, Holly, Juniper, Lilac, Lily, Locust, Maple, Marigold, Mimosa, Oak, Ornamental Plum, Pine, Poplar, Pyracantha, Rhododendron, 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 p. 2 for specific vegetables.)

**LISTED HOME FRUIT & NUT TREES, GRAPES & BERRIES**

(See table on p. 3 for specific fruits and nuts.)

**MIXING INSTRUCTIONS**

**Amount to Use:** 2 tsp per gal of water.

- When using ORTHO DIAL 'n SPRAY® Hose-End Sprayer: Set dial to 2 tsp. For each gal 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 Moths, Flea Beetles, Fruitworms (Maggot), Grape Berry Moths, Grape Leafhoppers, Grasshoppers, Hemlock Woolly Adelgids, Holly Bud Moths, Lacebugs, Leafhoppers, Leafminers (including Dipterous\* and Tentiform), Leafrollers, Mealybugs, Mexican Bean Beetles, Oak Loopers, Obscure Root Weevils, Omnivorous Leafhoppers, Pear Slugs, Raspberry Sawflies, Scale Crawlers, Spider Mites, Tent Caterpillars, Thrips, Twig Borers, Vinegar Flies, Walnut Caterpillars, Webworms and Whiteflies. \*NOTE: Resistant Leafminers will not be controlled by diazinon or similar type insecticides.

**How to Apply**

Spray plant to wet leaves and branches to dripping point.

- 1 gal of spray treats 350 sq ft of vegetable garden or melons.
- 3 gals of spray 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**

Spray when listed pests first appear.

- Start spraying fruit and nut trees, grapes and berries 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.
- 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.

VEGETABLES & MELONS	DAYS TO WAIT BETWEEN TREATMENTS	TREATMENTS 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 (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 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	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.

**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.

**COMBINATION SPRAY WITH FUNGICIDE ON ROSES**

RosePrin® Fungicide® Rose & Shrub Disease Control may be mixed with this product when listed insects and diseases are found on roses. Follow directions and precautions on both labels.

**HOME LAWNS & 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 gal of water.

- 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, Bermuda grass 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 Chafar, Southern Chafar), Mole Crickets, Hyperodes Weevils.

**How to Apply**

- Measure the area to be sprayed. Calculate sq ft by multiplying length by width.
- 1 gal of spray treats 42 sq ft of lawn.



**When to Water**

For pests that live above or near the soil surface (Surface Pests), thoroughly water the lawn a few hours before applying. For pests that live in the soil (Subsurface Pests), water the lawn after you spray to soak the insecticide down into the soil.

**When to Apply**

- 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.

**FIRE ANT MOUNDS**

Do not use this treatment in vegetable gardens.

**MIXING INSTRUCTIONS**

Sprinkling Can: Add 2 Tbs (1 fl oz) to one gal 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 tsp per gal of water.

- When using ORTHO DIAL 'n SPRAY® Hose-End Sprayer: Set dial to 2 oz. Add 4 fl oz (½ 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**

- 1 gal of spray treats 300 sq ft (7' x 42').
- 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 ft. (DO NOT apply to vinyl siding as staining may occur.) 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.

5

**VEGETABLES - BEFORE PLANTING**

Beans\* (Lima, Pole, & Snap), Beets, Cabbage, Carrots, Lettuce, Peas\*, Radishes, Rutabagas, Sweet Corn, Tomatoes, 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 gal of water.

- When using ORTHO DIAL 'n SPRAY® Hose-End Sprayer: Set dial to 2 oz. For each gal of spray needed add 2 fl oz to sprayer jar. DO NOT add water.

Mole Crickets

Amount to Use: 4 tsp per gal of water.

- When using ORTHO DIAL 'n SPRAY® Hose-End Sprayer: Set dial to 4 tsp. For each gal of spray needed add 4 tsp to sprayer jar. DO NOT add water.

**How to Apply**

- 1 gal of spray treats 350 sq ft.
- 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**

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

**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.

6

**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.



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 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 victims 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 ¼ 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

7

**PRECAUTIONARY STATEMENTS (Continued)**

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.



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

ORTHO® DIAL 'n SPRAY® Ultra™  
RosePride® Trademarks of Monsanto Company  
Fungix® Trademark of American Cyanamid Company  
©Monsanto Company 1997

Manufactured for  
The SGLARIS Group of  
Monsanto Company  
P.O. Box 5008  
San Ramon CA 94583-0808  
Form 0-151-01  
EPA Reg. No. 239-2643  
EPA Est. 239-IA-31, 58996-MO-1A  
Superscript is first letter of lot number

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ORTHO DIAZINON INSECT SPRAY<sub>2</sub>

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 Spray<sub>2</sub>*

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

**NOTIFICATION**

MAR 6 1997

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.WP5

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)



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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.**

~~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  
Form~~

~~EPA Reg. No. 239 2643 / Product~~

~~EPA Est. 239-1A-3, 58996-MO-1A~~

~~Superscript is first letter of lot number~~

~~Made in USA~~

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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)

**SHAKE WELL**

**ROSES, FLOWERS, SHRUBS & SHADE TREES**

PLANTS: including Arborvitae, Azaleas, Birch, Boxwood, Camellias, Chrysanthemums, Carnations, Crab Apples, Dogwood, Douglas Fir, Elm, Euonymus, Gladiolus, 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

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 leafrollers, 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 Leaf-tiers, 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 Cotoneaster, Fall, Juniper and Mimosa), Whiteflies.

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

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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 canberries.

[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.

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 crop plants or weeds in the treatment area are in bloom. \*\* Do not apply to corn during the pollen shed period.

239-2643.WP5

EPA Accepted 8/26/96

Modifications of 7/23/96, 1/13/97, 1/17/97 (Lock n Spray) & 2/11/97 (Concentrate & Ready-Spray)

14 9 48

HOME FRUITS & NUT TREES, GRAPES & BERRIES	DAYS TO WAIT BETWEEN TREATMENTS/ APPLICATIONS	TREATMENTS/ APPLICATIONS 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.

**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.

15 7 48

**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 three times (3 oz) for every 500 sq ft of lawn area. Do not add water. Set dial to 1 1/2 tsp. Spray evenly over measured area.

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**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.

**SPECIAL INSTRUCTIONS**

**When to apply**

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

- o ~~Fer~~ **Mole Crickets:** Apply in May or June when pests are small.
- o ~~Fer~~ **Brown Dog Ticks:** Spray grass and under shrubbery, particularly near the house. Do not spray pets with this product.
- o ~~Fer~~ **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 IN HOME LAWNS**

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.

~~DILUTION RATE: Fill cap to level 3 (1 fl oz). Add to 1 gallon of water.~~

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17 7 48

**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.

~~DILUTION RATE: Fill cap to level 4 (2 fl oz). Add to 1 gallon of water.~~

**VEGETABLES - BEFORE PLANTING**

**Cutworms:** 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.

o 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.

239-2643.WP5

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)

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**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, Radishes, Rutabagas, Spinach, Summer Squash, Winter Squash, Sweet Corn, Tomatoes, and Turnips.~~

19 7 48

~~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.~~

~~FOLIAR SPRAY DIRECTIONS~~

~~DILUTION RATE: 2 tsp per gallon of water to cover 350 sq ft of garden area. Fill cap to level 1 two times. Add to 1 gallon of water. To apply with an ORTHO® DIAL 'n SPRAY® Hose End Sprayer: Fill cap to level 1 two times for every 350 sq ft of home garden area to be sprayed. Do not add water. Set dial to 2 tsp and spray evenly over vegetable plants in the measured area. BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC CROP YOU ARE SPRAYING (see below).~~

~~Spray when listed pests first appear. Wet the plants to the dripping point. 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.~~

[NOTE: INFORMATION BELOW REFORMATTED INTO TABLE AND RELOCATED TO UPPER PART OF LABEL]

Wait the following number of days before harvesting vegetables:

<del>Vegetables</del>	<del>Days to Wait Before Harvest</del>
<del>Tomatoes</del>	<del>1 day</del>
<del>Melons, Winter Squash</del>	<del>3 days</del>
<del>Peppers, Strawberries</del>	<del>5 days</del>
<del>Beans + (fresh only), Broccoli, -Cauliflower, Cucumbers, Peas + (fresh only), -Summer Squash, Sweet Corn</del>	<del>7 days</del>
<del>Chinese Broccoli, Chinese Cabbage, Collards, Kale</del>	<del>10 days</del>
<del>Carrots, Endive (Escarole), Lettuce, Onions (Bulb &amp; Green), Parsnips, Radishes, Rutabagas, Spinach, Turnips</del>	<del>14 days</del>

239-2643.WP5

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)

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Potatoes ~~35 days~~

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

~~HOME FRUITS, NUT TREES, GRAPES and BERRIES~~

~~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 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, Tentiform Leafminers, Thrips, Twig Borers, Walnut Caterpillars.~~

~~DILUTION RATE: 2 tsp per gallon of water. Fill cap to level 1 two times. Add to 1 gallon of water. 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 TO WAIT BEFORE HARVEST.~~

~~To apply with an ORTHO® DIAL 'n SPRAY® Hose End sprayer: Fill cap to level 1 two times for each gallon of spray you will need based on the limitations for the specific crop you are spraying. Do not add water. Set dial to 2 tsp and spray evenly according to the specific directions (see below).~~

~~HOME FRUIT TREES~~

~~Apricots, Cherries, Nectarines, Peaches, Plums, Prunes: Start spraying after blooming. Spray when listed pests first appear. Wet the foliage to the dripping point. Do not apply more than 4 gallons of spray per 500 sq ft of home orchard. Do not spray more than 3 times per season. For cherries, plums, and prunes wait a minimum of 7 to 10 days between sprays. For apricots, nectarines, and peaches wait a minimum of 14 days between sprays. For all these fruit trees, wait a minimum of 21 days after the last spray before harvesting the fruit.~~

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

~~HOME NUT TREES~~

~~Almonds (dormant season only) CA only: Spray almonds once during the dormant season, before leaves come out, to control San Jose and Parlatoria scale. Do not~~

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~~apply more than 6 gallons of spray per 500 sq ft of home orchard. Walnuts CA only: Start spraying after blooming. Spray when listed pest first appear. Wet the foliage to the dripping point. Do not apply more than 6 gallons of spray per 500 sq~~

~~ft of home orchard. Do not apply more than 3 times per season. Wait a minimum of 14 days between sprays. Wait a minimum of 45 days after the last spray before harvesting walnuts.~~

~~NOTE: This product may be used on almonds and walnuts in California only. Do not use this product on almonds or walnuts grown in other states.~~

~~HOME GRAPES~~

~~Start spraying after blooming. Spray when listed pests first appear. Wet foliage to the dripping point. Do not apply more than 3 gallons per 500 sq ft of home vineyard. Do not spray more than 5 times per season. Wait a minimum of 7 to 10 days between sprays. Wait a minimum of 28 days after the last spray before harvesting grapes.~~

~~BERRY PATCH~~

~~Strawberries: Start spraying after blooming. Spray when listed pests first appear. Wet foliage to the dripping point. Do not apply more than 3 gallons per 500 sq ft of berry patch. Do not spray more than 3 times per season. Wait a minimum of 7 to 10 days between sprays. Wait a minimum of 5 days after the last spray before harvesting strawberries.~~

~~Blackberries, Blueberries, Boysenberries, Dewberries, Loganberries, and Raspberries, (CA, OR, WA only) Start spraying after blooming. Spray when listed pests first appear. Wet foliage to the dripping point. Do not apply more than 5 gallons per 500 sq ft of berry patch. Do not spray more than 5 times per season. Wait a minimum of 14 days between sprays. Wait a minimum of 7 days after the last spray before harvesting berries. NOTE: This product may be used on these caneberries only in California, Washington and Oregon. Do not use this product on caneberries grown in other states.~~

~~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.~~

239-2643.WP5

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Notifications of 7/23/96, 1/13/97, 1/17/97 (Lock n Spray) & 2/11/97 (Concentrate & Ready-Spray)

## PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS &amp; 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 icon~~ ~~Child + Pet icon~~ 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 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.

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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]

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

*ORTHO®*, *DIAL 'n SPRAY®*, *ULTRA™*, *RosePride®*, *Registered Trademarks of Monsanto Company.*

*DACONIL 2787®* Registered trademark of ISK Biotech Corp.

*Funginex®* Trademark of American Cyanamid Company

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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-IA-3<sup>1</sup>, 58996-MO-1<sup>A</sup>  
Superscript is first letter of lot number  
Made in USA

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2. READY-SPRAY® PRODUCT  
ORTHO®

[ICON] OUTDOOR USE ONLY  
[ICON] WATER BASED

[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 [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



OPEN RESEALABLE LABEL FOR DIRECTIONS & PRECAUTIONS PEEL HERE  
PRESS TO RESEAL INSTRUCTIONS PULL HERE TO  
OPEN HERE OPEN LABEL

ORTHO® Diazinon Insect Spray 2 Bug-B-Gon™ 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, lawns, 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 Makes (96 gallons of spray).

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

CONTROLS 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]

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~~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~~

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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/Product 6049  
EPA Est. 239-1A-3, 58996-MO-1<sup>A</sup>  
Superscript is first letter of lot number  
Made in USA~~

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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

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- 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 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, Lilies, 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 **For 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 SPRAY**

**FOLIAR SPRAY DIRECTIONS**

BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC **PLANT CROP** 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.

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.

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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

~~Gauliflower,~~

~~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 350 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.

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**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 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.

**FOLIAR SPRAY DIRECTIONS****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
CANE BERRIES	350 SQ FT



**HOME FRUITS & NUT TREES TREATMENT LIMITATIONS**

HOME FRUIT & NUT TREES, GRAPES & BERRIES	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
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**

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

35 948

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]

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<sup>1</sup>, 58996-MO-1<sup>A</sup>, 56100-LA-1<sup>9</sup>  
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, I

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

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

[ICON] OUTDOOR USE ONLY

[ICON] WATER BASED

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

For outdoor use on home lawns and home gardens only.

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 [O,0-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 pint) 473 ml; NET CONTENTS 32 fl oz (1 qt) 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 Spray<sup>2</sup> controls a wide range of bugs/pests/insects 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.

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

Lock 'N Spray makes lawn and garden care easy. Simply choose the cartridge 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.

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]~~

Peel open for use directions and further information.

**BEST COPY AVAILABLE**

38948

~~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  
Form 0-148-01  
EPA Reg. No. 239- 2643  
EPA Est. 239-IA-3<sup>1</sup>, 58996-MO-1<sup>A</sup>, 56100-LA-1<sup>G</sup>, 34313-TX-1<sup>H</sup>  
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.

HOW TO USE [1/17/96] THE LOCK 'N SPRAY' SYSTEM [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.

[1/17/97] 5. Rotate sprayer nozzle tip to direct spray up or down, or remove for a 20 to 25 foot jet spray.

6. Turn on water.
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, sprayer, shake off excess water, and store in a safe place.

[1/17/97] 12. When finished spraying, the 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: 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.

**PESTS CONTROLLED**

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

Aphids, Apple and Thorn Skeletonizers, Bagworms, Bean Beetles, Cabbageworms, Codling Moth, 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.

~~[1/17/97] [directions divided to provide clarity]~~

~~Amount to 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~~

~~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**

~~On Home Lawns [redundant]~~

**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.

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

1. Measure the area to be sprayed. Calculate square feet by multiplying length by 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**

~~[1/17/97] For Surface Pests - For insects/bugs/pests that live above or near the soil surface, 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 Subsurface Pests: For insects/bugs/pests that live in the soil, 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 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]

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 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. Each line on cartridge represents the amount of product needed to cover 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 [1 oz. per 150 sq. ft.]. [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.

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**VEGETABLES & MELONS - FOLIAR SPRAY**

BE SURE TO FOLLOW IMPORTANT LIMITATIONS FOR THE SPECIFIC CROP YOU ARE SPRAYING (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**

~~On Vegetables & Melons~~

~~Foliar Spray: [redundant] 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.

~~FOLIAR SPRAY DIRECTIONS [redundant]~~

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

~~1/17/97 Amount to Use~~

~~Spray when listed pests first appear. Spray vegetables until plants just begin to drip. Each line on cartridge represents the amount of product needed to cover 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~~

~~Spray when listed pests first appear. Repeat, if needed. Do not treat fruits and vegetables grown in greenhouses. Do not feed treated plants to animals.~~

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Vegetables & Melons	DAYS TO WAIT BETWEEN TREATMENTS	treatments per year (Max)	Days to Wait Before 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 (Escarole), Lettuce, Onions (Bulb & Green), Parsnips, Onions (Bulb & Green), Parsnips,	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. Do not apply to corn during the pollen shed period. To protect bees, do not apply to bean or pea foliage if the crop or weeds in the treatment area are in bloom.

*[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, \_\_\_\_\_~~

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~~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 & S, NUT TREES, GRAPES and & BERRIES**

*[moved from below]*

**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.**

**PESTS CONTROLLED**

~~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), Fruit Tree Leafrollers, Grape Berry Moth, 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, Tentiform Leafminers, Thrips, Twig Borers, Walnut Caterpillars.

**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**

Start spraying after blooming. Spray when listed pests first appear. *[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 Use**

Wet the foliage until it just begins to drip.

Each line on cartridge represents the amount of product needed to cover approximately 1000 square feet (pint), 2000 square feet (quart) of home 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 930 square feet (pint), 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	DAYS TO WAIT BETWEEN TREATMENTS	TREATMENTS PER YEAR (Max)	DAYS TO WAIT TO HARVEST
<b>BERRIES &amp; GRAPES</b>			
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.

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## 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 [cons]* 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.

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

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

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