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US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (73-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
769-571

DATE OF ISSUANCE  
JAN 24 1991

TERM OF ISSUANCE  
Until Reregistration

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT  
Suregard Diazinon Spray

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Sureco, Inc.  
P.O. Box 938  
Fort Valley, GA 31030

111/532562/18

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase, "EPA Registration No. 769-571".
- b. Qualify where the product can be applied by revising the front panel statement as follows:

"For Outdoor Use on the Home Lawn and in the Home Garden"

This is necessary since some of the sites listed on the label can be considered commercial sites which would then qualify the product as a Restricted Use pesticide.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

GA

- c. In the "Precautions" under the heading "Lawn Pest Control", make the following revisions:
- o Add "and waterfowl" at the end of the fourth sentence.
  - o Add "(watering)" in the sentence beginning "When irrigation (watering) is recommended...."
- d. In the "Nuisance Pests in Outside Areas" section, add the following statements at the end of the first paragraph:
- Do not treat animals. Do no treat plants (other than tree trunks) at the nuisance pest rate.
- e. Revise the heading, "Insect Control on Trees, Shrubs and Flowers" to read "Insect Control on Ornamental Trees, Shrubs and Flowers".
- f. For the "Beans", in the "Pest" column, revise "Mites" to "Spider Mites".
- g. In the "Environmental Hazards", delete the sentence "Application should be timed to provide the maximum possible interval between treatment and the next period of bee activity."

3. Based on the current Confidential Statement of Formula (CSF) dated January 29, 1990, your product will not meet the label claim for the inert ingredients. Please submit a revised CSF so the information agrees.

4. The Agency is allowing continued registration of diazinon 25% EC products based on Ciba-Geigy commitment to submit full toxicology support for a new Toxicity Category III formulation intended to replace the current formula (for which new toxicology data is not being generated). At such time as the new formulation is approved by this Agency, you will have to submit revised labeling reflecting the new toxicity category. You should contact your supplier for the status of replacement formula and associated label.

5. Submit five copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

George T. LaRocca  
Product Manager 15  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

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SUREGARD DIAZINON SPRAY

# Lawn & Garden Insect Control

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

Spray concentrate. Contains diazinon insecticide.

Active Ingredient:  
Diazinon: O, O-Diethyl  
O-(2-isopropyl-6-  
methyl-4-pyrimidinyl)  
phosphoro-  
thioate . . . . . 25.0%

Inert  
Ingredients\*: 75.0%

Total: 100.0%

\* Contains xylene range aromatic solvent.

KEEP OUT OF REACH OF CHILDREN.

## WARNING

See end of booklet for additional precautionary statements

EPA Reg. No. 769-  
EPA Est. 769-GA-1

# One Pint

Net Contents

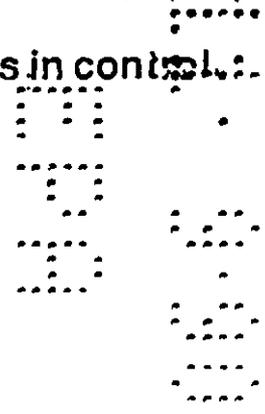
## Protects

Lawns  
Vegetables  
Fruits & Nuts  
Roses, Flowers  
Trees, Shrubs

## Controls

Ants, Aphids  
Chinch Bugs  
Cutworms  
Fire Ants\*  
Flea Beetles  
Grubs, Mites  
Sod Webworms  
...and many others

\* Aids in control of:



ACCEPTED  
WITH COMMENTS  
in EPA Letter Dated:

JAN 24 1991

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide labeled under EPA Reg. No. 769-571

**DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY**

**IMPORTANT:** Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

**Conditions of Sale and Warranty**

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of SURECO or the Seller. All such risks shall be assumed by the Buyer.

SURECO warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. SURECO makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall SURECO or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

SURECO and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of SURECO.

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**General Information**

Surgard Diazinon Spray is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section "How to Mix and Apply." This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts, and insects which annoy pets and people. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. <sup>Diazinon</sup> spray works fast and applications should be repeated only as directed to maintain control.

**Notes:** (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. SEE "STORAGE AND DISPOSAL" DIRECTIONS. (2) Do not use in the home. (3) Do not use on ferns, poinsettias, hibiscus, papaya, pine, gardenia or orchids since injury may occur. (4) Do not use on commercially-grown potatoes which will be hand-harvested. (5) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties.

**Precautions:** (1) Wear a long-sleeved shirt and long-legged pants when spraying. (2) Spray with the wind to your back. (3) Do not spray on windy days. (4) 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.

**How to Mix and Apply**

**Step #1:** Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.

**Step #2:** Use clean sprayer. Carefully measure and mix the amount of <sup>Diazinon</sup> spray and water as suggested in the rate chart.

**Step #3:** Spray as directed in rate chart. Thorough coverage is important. Flush sprayer with clean water after each use.

See chart for complete insect list. Use rates shown unless otherwise indicated.

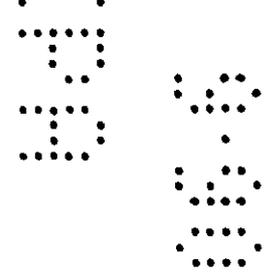
- 1 tablespoon = 3 teaspoons
- 1 fl. oz. = 6 teaspoons or 2 tablespoons
- 6 fl. oz. = ¾ cup
- 2 tablespoons in 3 gals. of water = 2 teaspoons in 1 gal. of water or 6 oz. in 18 gals. of water

**Lawn Pest Control**

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion and St. Augustine grass.

**Precautions:** Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping of sprays. When irrigation is recommended in the directions or if waterfowl, i.e., ducks, geese can be expected in the treated area after treatment (except spot treatments), water lawn with at least ¼ inch water immediately after spraying this product, however, stop watering before puddling occurs.

Pests	Rate		Remarks
	Diazinon Spray	Water	
Lawn Chinch Bugs	1 ½ Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. or 24 gals.	Thoroughly wet down grass a few hours before applying.  In the North, if Chinch Bugs are the only problem, a lower rate of application can be used: 3 teaspoons in 3 gals. of water covers 125 sq. ft. or 4 fl. oz. in 24 gals. of water per 1,000 sq. ft.
Ants, Armyworms, Bermudagrass Mites, Clover Mites, Springtails (Collared), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs)	1 ½ Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. or 24 gals.	Thoroughly wet down grass a few hours before applying.  For ants and digger wasps, spot spray ant hills and wasp ground nest openings. For digger wasps, apply at dusk, when wasps are not active.  For frit flies, mow grass and water well before treatment, but delay application until grass is dry.  Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.
Brown Dog Ticks, Chiggers, Fleas	1 ½ Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. or 24 gals.	NOTE: Do not apply to animals.  For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	1 ½ Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. or 24 gals.	Thoroughly wet grass a few hours before applying.
Rhodesgrass Scales	1 ½ Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. or 24 gals.	Apply when crawlers first emerge.
White Grubs of Japanese Beetle, European Chafer, Southern Chafer	1 ½ Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. or 24 gals.	Water grass thoroughly after application. Grub control: Apply any time between late July and early October.
Hyperodes Weevil	1 ½ Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. or 24 gals.	Water grass thoroughly after application. Treat grubbing areas in mid-June and again in mid-May.



**Insects in Outside Areas**

<p>Assassin Bugs, Brown Dog Chiggers, Clover Mites, Crickets, Earwigs, Flies, Millipedes, Sowbugs (Bugs), Spiders, Springtails (Amphipods)</p>	<p>Mix 6 fl. oz. in 3 gals. of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls and base of entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide.</p> <p>To prevent entry into houses, spray a five-foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet. Repeat application as necessary.</p>
<p>Fire Ants</p>	<p>To aid in the control of fire ants in lawns and other recreational areas, apply 2 tablespoons in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness.</p> <p>NOTE: For best results, apply in cool weather 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear.</p>

**Insect Control on Trees, Shrubs and Flowers**

	Insects	Rate per 3 gals. of water	Timing/Special Directions
<p>Trees and Shrubs Arbutus, Azaleas, Birch, Boxwood, Camellias, Douglas Fir, Elm, Gum, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow</p>	<p>Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leafminers (Arborvitae), Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Twospotted Spider), Obscure Root Weevils, Omnivorous Leaf- tiers, Scale Crawlers, (Cottony-cushion, Euclyptus, Lecanium, Pine Needle, Pin Scale, San Jose, Soft)</p>	<p>2 Table- spoons</p>	<p>Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.</p>
	<p>Webworms (Juniper, Mimosa), Whiteflies</p>	<p>2 Table- spoons</p>	<p>Apply as a thorough foliar spray. Mimosa Webworms: Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.</p>
	<p>Apple-and-Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cottony-cushion, Fall)</p>	<p>2 Table- spoons</p>	<p>Apply as a thorough foliar spray.</p>

<p>Roses and Flowers Azaleas, Camellias, Chrysanthemums, Carnations, Gladolli, Lilac, Rhododendron, Roses</p>	<p>Aphids, Euclyptus, Euclyptus, Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, Euro- pean Red, Twospotted Spider), Thrips, Whiteflies</p>	<p>2 Table- spoons</p>	<p>Apply as a thorough foliar spray. Try to spray under-side of leaves and penetrate dense foliage.</p>
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**Fruits and Nuts**

Start spraying after blooming. Applications should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first noted.

Observe stated time intervals between last application and harvest of the crop, as well as intervals between applications and total number of applications that can be made per season.

Crop	PHI*
Almonds	45
Apricots	10
Blackberries	7
Boysenberries	7
Cherries	10
Dewberries	7
Grapes	18
Loganberries	7
Nectarines	10
Peaches	20
Plums	10
Prunes	10
Raspberries	7
Strawberries	5
Walnuts	45

\*PHI = Pre-Harvest Interval, or the number of days between the last application and harvest.

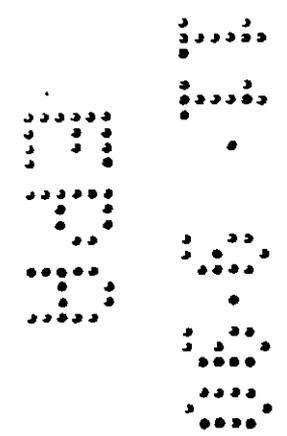
Note: To protect bees, do not apply to fruit trees when trees or substantial numbers of weeds around the trees are in bloom.

Crop	Pest	Rate	Timing/Special Directions
Almonds (CA only)	Aphids, San Jose scale, Parlatoria scale, Spider Mites, Twig Borers	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 1000 sq. ft. of orchard. Do not make more than 3 applications per season 14 days apart. Do not apply after husks open or split. Do not apply within 15 days of harvest.  This product may be used on almonds only in California.

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	Aphids. Apricot Mealybugs. Mites (Clover [brown], Twospotted Spider). Scale Crawlers (Olive, San Jose)	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applica- tions per season a minimum of 14 days apart. Do not apply within 10 days of harvest.
Cane- berries (CA, OR, WA only), Black- berries, Boysen- berries, Dewberries, Logan- berries, Rasp- berries	Aphids, Leafhoppers, Raspberry Fruitworms, Twospotted Mites, Thrips	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 5 gallons per 500 sq. ft. of field. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 7 days of harvest.  This product may be used on caneberries only in California, Oregon and Washing- ton. Do not use this product on caneber- ries grown in other states.
Cherries	Black Cherry Aph. Cherry Fruitflies. Cherry Fruitworms (Maggots), Fruitree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applica- tions per season a minimum of 7 days apart. Do not apply within 10 days of harvest.
Grapes	Aphids, Leafhoppers, Grape Berry Moths, Grape Leafhoppers	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of vineyard. Do not make more than 5 applica- tions per season a minimum of 7 days apart. Do not apply within 18 days of harvest.
Nectarines	Aphids, Mites (Clover [brown], Twospotted Spider), Scale Crawlers (Olive, San Jose)	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applica- tions per season a minimum of 14 days apart. Do not apply within 10 days of harvest.
Peaches	Aphids, Mites (Clover [brown], Twospotted Spider), Scale Crawlers (Olive, San Jose)	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applica- tions per season a minimum of 14 days apart. Do not apply within 20 days of harvest.

Plums and Prunes	Aphids (Leafcull Plum, Mealy Plum, Thistle), Mites (Clover [brown], European Red)	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applica- tions per season a minimum of 7 days apart. Do not apply within 10 days of harvest.
Straw- berries	Aphids, <sup>spider</sup> Twospotted Mites, Strawberry Leafrollers	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of field. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 5 days of harvest.
Walnuts (CA only)	Aphids, Scale Crawlers (Walnut, Italian pear, frosted), Spider Mites, Twig Borers	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 3 applica- tions per season 14 days apart. Do not apply after husks open or split. Do not apply within 45 days of harvest.  This product may be used on walnuts only in California. Do not use this product on walnuts grown in other states.



**Vegetables**

For foliar or soil applications. **Glazinon Spray** should be applied in the volume of water recommended in the table below to assure thorough coverage of the foliage or soil.

Observe stated time intervals between last application and harvest as well as intervals between applications and maximum numbers of applications per season. *Do not apply to leafy crops grown in greenhouses.*  
Pre-Harvest Interval (PHI\*) for Foliar Applications

Crop	PHI*
Beans, Lima, Pole and Snap <sup>1</sup>	7
Beets, Red (Table)	14
Broccoli	5
Cabbage	7
Cantaloupes	3
Carrots	10
Casabes	3
Cauliflower	5
Celery, Chinese Broccoli, Chinese Cabbage, Collards	10
Crenshaws	3
Cucumbers	7
Endive (Escarole)	10
Honeydew Melons	3
Kale, Lettuce	10
Muskmelons	3
Onions, Bulb and Green, Parsnips	10
Peas <sup>1</sup>	0
Peppers	5
Potatoes (Irish) <sup>2</sup>	35
Radishes	10
Romaine, Squash, summer	7
Squash, winter	3
Sweet Corn	0
Tomatoes	1
Turnips	10
Watermelons	3

\* PHI = Pre-Harvest Interval, or the number of days between the last application and harvest.

<sup>1</sup> Do not use this product on dried pea or bean varieties such as pinto beans, dried limas, or dried black-eyed peas.

<sup>2</sup> Do not use this product on commercially-grown potatoes which will be hand-harvested.

**Vegetables**

For application to the foliage, thoroughly spray all plant parts. Application to the soil should be mixed into the soil immediately after application.

Crop	Pest	Rate	Timing/Special Directions
Beans, Lima, Pole and Snap (succulent varieties only)	Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Do not apply within 7 days of harvest.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms (snap beans only)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

NOTE: To protect bees, do not apply bean foliage treatments if the beans or weeds in the treatment area are in bloom.

Beets, Red (Table)	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days of harvest.
Cabbage	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Root Maggots	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 3-6 inches.
	Wireworms	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

Carrots	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Cauliflower	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days of harvest.
Celery	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Chinese Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Chinese Cabbage (Bok Choy and Napa)	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Collards	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.

Crop	Pest	Rate	Timing/Special Directions
Corn (see sweet corn)			
Cucumbers	Aphids, Thrips, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.
Endive (Escarole)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Kale	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Lettuce	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Curworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Wireworms	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and Hybrids of these) and Watermelons	Aphids, Thrips, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.
Onions (Bulb and Green)	Onion Thrips	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications per season. Do not apply within 10 days of harvest.
Parsnips	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.

Peas (concomitant only)	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Peas may be picked immediately after application.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
NOTES: (1) Do not apply this product to dried pea varieties such as split peas. (2) To protect bees, do not apply to peas foliage during the pollen shed period.			
Peppers	Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days to 5 applications per season. Do not apply within 5 days of harvest.
Potatoes	Aphids, Flea Beetles, Leafhoppers, Colorado Potato Beetles, Southern Armyworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. Do not apply within 35 days of harvest.  NOTE: Do not use on commercially-grown potatoes which will be hand-harvested.
Radishes	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
Spinach	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days to 5 applications per season. Do not apply within 10 days of harvest.
Squash, Summer	Aphids, Thrips, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.

Squash, Winter	Aphids, Thrips, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.
Sweet Corn	Aphids, Flea Beetles, Grasshoppers, Spider Mites	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. Corn may be picked immediately following last application.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
NOTE: To protect bees do not apply to corn foliage during the pollen shed period.			
Tomatoes	Aphids, Colorado Potato Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Flies ( <i>Orosophila</i> spp.)	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 1 day of harvest.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Wireworms	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Turnips and Turnip Tops	Aphids, Flea Beetles, Leafhoppers, Imported Cabbage Worms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

## Storage and Disposal

### Storage

Do not store near heat or open flame. Store in original container in an area inaccessible to children and pets. USE CONTENTS WITHIN 6 MONTHS AFTFR OPENING.

### Disposal

Do not reuse empty container. Thoroughly rinse container, securely wrap it in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

## Precautionary Statements

### Hazards to Humans and Domestic Animals

#### WARNING

May be fatal if swallowed or absorbed through skin. Avoid breathing spray mist. Causes substantial but temporary eye damage. Do not get into eyes, on skin or clothing. Wear goggles or safety glasses. Avoid contact with eyes and skin. Wash thoroughly if on skin and after handling. Do not use in the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not permit children or pets to go onto treated area, such as grass or soil, until the spray 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.

#### Statement of Practical Treatment

If swallowed: Call a physician immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

If inhaled: Remove victim to fresh air and apply artificial respiration if indicated.

If on skin: Wash promptly with soap and water. Rinse thoroughly.

If in eyes: Rinse eyes with plenty of water and call a physician immediately.

Note to Physician: 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. This product contains a xylene range aromatic solvent which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

#### 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. Where irrigation (watering) is recommended in the directions of the waterfowl, i.e., duck or geese can be expected in the treated area after treatment (except spot treatments), apply a minimum of 1/4 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). 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 wash waters.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

#### Physical or Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.

MANUFACTURED FOR  
SURECO, INC.  
FORT VALLEY, GEORGIA 31030

