

7401-216

3/21/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Voluntary Purchasing Groups, Inc.
c/o Ms. Mary Beth Endres
Brazos Associates, Inc.
2001 Diamond Ridge Drive
Carrollton, TX 75010-4509

MAR 21 2002

Dear Ms. Endres:

Subject: Amendment - Comply with 2000 Diazinon MOA;
Delete Almonds;
Update First Aid per PR Notice 2001-1; and
Update CSF/replacement diazinon source
ferti-lome Diazinon Insect Spray
EPA Registration Number 7401-216
Your submission dated September 11, 2001

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Slightly revise the limitation appearing under the heading Directions For Use so that it reads "Reformulation or repackaging of this product is prohibited."
 - b. Under the heading GENERAL INFORMATION, revise item 5 of the NOTES to read "Do not apply in greenhouses."
 - c. Under the heading LAWN PEST CONTROL, revise "Where irrigation (watering) is..." to read "Where watering is..."
 - d. In the list of Trees and Shrubs, under heading Insect Control on Ornamental trees, Shrubs and Flowers, correct the spelling of Arborvitae.

- e. Under the heading FRUITS AND NUTS, in the Timing/Special Directions for each crop that uses the word "orchard" revise that to read "home orchard". For Caneberries, revise "field" to "caneberry patch". For Grapes, revise "vineyard" to "home vineyard". For Strawberries, revise "field " to "strawberry patch".
 - f. Under the heading VEGETABLES, revise the last sentence of the introductory paragraph to read "Do not apply in greenhouses."
 - g. For all vegetable crops where foliar spray directions are given (typically the pest list begin with Aphids), lower the rate to read "1 teaspoon in 1 gal. of water to cover 500 sq. feet of garden."
 - h. For the crop Beets, Red (Table) correct the Rate for Cutworms to read "6 Tablespoons per 500 sq. ft. in a minimum of 1½ gals. of water".
 - i. For the crop Onions, revise the Rate for Onion Thrips to read "1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden".
 - j. In the Hazards to Humans and Domestic Animals text, revise "Do not use inside the home." to read "Do not use inside the home or in greenhouses."
 - k. In the Environmental Hazards text, revise the sentence beginning "For lawn if waterfowl..." to read "For lawns, where watering id recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treatment 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."
 - l. Also in the Environmental hazards text, replace the sentence beginning "Do not apply directly to water, to areas where..." with just "Do not apply directly to water."
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.
 4. Comply with all applicable provisions of the 2000 Memorandum of Agreement Regarding Pesticide Products Containing Diazinon (i.e., the Diazinon MOA). In accordance with the Diazinon MOA you have requested the following revisions to the conditions of registration for this diazinon product with outdoor non-agricultural (i.e., home and garden) uses:
 - a. You have requested under section 6(f) of FIFRA that this registration be voluntarily canceled on a date not later than December 31, 2004.

- b. You may not manufacture, label, or release for shipment this product after June 30, 2003.
- c. You may not sell or distribute this product after August 31, 2003.
- d. The registration for this product shall expire and be canceled on December 31, 2004.
- e. You will send to every person who directly purchases this product (i.e., to every seller) a notification of Product Recovery Program to be conducted by Syngenta and Makhteshim after December 31, 2004.

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

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

The Basic Confidential Statement of Formula (CSF) dated September 11, 2001 which identifies a replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

Sincerely,

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

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[FRONT LABEL PANEL]

ferti-lome®

DIAZINON INSECT SPRAY

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS.

Outdoor use only on home lawns and home garden only.

Spray concentrate contains Diazinon insecticide.

PROTECTS:
Lawns
Vegetables
Fruit and Nuts
Roses, Flowers
Trees, Shrubs

CONTROLS:
Ants, Aphids, Chinch Bugs,
Cutworms, Fire Ants¹, Flea Beetles
Grubs, Mites, Sod Webworms,
... and Many others
¹Aids in control

ACCEPTED
with COMMENTS
EPA Letter Dated:
MAR 21 2002

National Association of
Home Inspectors, Inc.
and Statewide Act.
for the protection
of the public health,
safety and welfare.
Under EPA Reg. No.
7401-216

ACTIVE INGREDIENT:

Diazinon: [O,O-diethyl O-(2-isopropyl -6-methyl-4-pyrimidinyl) phosphorothioate 25.00%

INERT INGREDIENTS*: 75.00%

TOTAL: 100.0%

* Contains aromatic petroleum distillates.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See End of Booklet For Additional Precautionary Statements

Net Contents _____ [One Quart Maximum]

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[BACK LABEL PANEL]

DIRECTIONS FOR USE

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

Reformulation or repackaging this product is prohibited.

GENERAL INFORMATION

Diazinon Insect Spray is an emulsifiable concentrate product which must be diluted with water before application. Refer to the sections **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 for many "hard-to-kill" sucking and chewing insects. Diazinon Insect 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, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since injury may occur. (4) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. (5) Do not apply to food crops grown in green houses.

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 Diazinon 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 LIST OF USE SITES, CROPS AND INSECT CONTROLLED. Use the rate given in the chart for the type of insect you want to control on the site or crop you are spraying.

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[BACK LABEL CONTINUED]

Measurement Conversions

1 Tablespoon = 3 Teaspoons

1 Fl. Oz. = 6 Teaspoons or 2 Tablespoons

6 Fl. Oz. = 3/4 Cup

1 1/2 Tablespoons in 3 Gal. of Water = 1 1/2 Teaspoons in 1 Gal. of water

2 Tablespoons in 3 Gal. of water = 2 Teaspoons in 1 Gal. of water

LAWN PEST CONTROL

Precautions: Birds, especially waterfowls, 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 and waterfowl. Avoid overlapping sprays. Where irrigation (watering) is recommended in the directions, or if waterfowls, i.e. 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.

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

To control pests listed below, apply recommended rates.

Pests	Rate		Remarks
	Diazinon	Water	
Lawn chinch bugs	1 1/2 tablespoons per 125 sq. ft.	3 gals.	Thoroughly wet down grass a few hours before applying.
	or 6 oz. per 1,000 sq. ft.	24 gals.	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.

<p>Ants, Armyworms, Bermudagrass Mites, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn billbugs, Leafhoppers, Sod Webworms (Lawn Moth), Sowbugs (Pillbugs)</p>	<p>1 ½ tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.</p>	<p>3 gals. 24 gals.</p>	<p>Thoroughly wet down grass a few hours before applying.</p> <p>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.</p> <p>Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.</p> <p>For frit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry.</p>
<p>Brown Dog Ticks, Chiggers, Fleas</p>	<p>1 ½ tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.</p>	<p>3 gals. 24 gals.</p>	<p>NOTE: Do not apply to animals.</p> <p>For brown dog ticks, spray grass and under shrubby, particularly near house.</p>
<p>Hyperodes Weevil</p>	<p>1 ½ tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.</p>	<p>3 gals. 24 gals.</p>	<p>Treat problem areas in mid-April and again in mid-May. Water grass thoroughly after application.</p>

Millipedes	1 ½ tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 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. 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. 24 gals.	Apply any time between late July and early October. Water grass thoroughly after application.

Nuisance Pests Outside The Home

<p>Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (Collembola)</p>	<p>Mix 6 fl. oz. in 3 gals. of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls, 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>Do not treat animals with this product. Do not treat plants (other than tree trunks) at this nuisance pest rate.</p>
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<p>Fire Ants</p>	<p>To aid in the control of fire ants in home lawns and other outdoor home recreation 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>
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Insect Control on Ornamental trees, Shrubs and Flowers

Trees and Shrubs	Insects	Rate per 3 Gals. of Water	Timing/Special Directions
Arborvitea, Azaleas, Birch, Boxwood, Camellias, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous, Leafminers (Arborvitae, Azalea, Birth, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leaf tiers, Scale Crawlers (Cottonycushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose, Soft)	2 tablespoons	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
	Webworms (Juniper, Mimosa), Whiteflies	2 tablespoons	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.

	Apple-and-Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall)	2 tablespoons	Apply as a thorough foliar spray
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Roses and Flowers	Insects	Rate per 3 Gals. of Water	Timing/Special Directions
Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider) Thrips, Whiteflies	2 tablespoons	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

[BACK LABEL CONTINUED]

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*	CROP	PHI*
Apricots	21	Nectarines	21
Blackberries	7	Peaches	21
Boysenberries	7	Plums	21
Cherries	21	Prunes	21
Dewberries	7	Raspberries	7
Grapes	28	Strawberries	5
Loganberries	7	Walnuts	45

*PHI = Pre-Harvest Interval, or the number of days to wait 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
Apricots	Aphids, Apricot Mealybugs, Mites (Brown, Two-Spotted Spider), Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.

<p>Caneberries (CA, OR, WA only): Blackberries, Boysenberries, Dewberries, Logan Berries, Raspberries</p>	<p>Aphids, Leafhoppers, Raspberry Fruitworms, Two-spotted Spider Mites, Thrips</p>	<p>2 tablespoons in 3 gals. of water</p>	<p>Apply as a full cover spray. Do not apply more than 5 gals. 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 CA, OR, and WA. Do not use this product on caneberries grown in other states.</p>
<p>Cherries</p>	<p>Black Cherry Aphids, Cherry Fruitflies, Cherry Fruitworms (Maggots), Fruittree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)</p>	<p>4 teaspoons in 2 gals. of water</p>	<p>Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq. ft. of home orchard. Do not make more than 3 applications per season, a minimum of 7 days apart. Do not apply within 21 days of harvest.</p>
<p>Grapes</p>	<p>Aphids, Leafhoppers, Gape Berry Moths, Grape Leaffolders</p>	<p>4 ½ teaspoons in 2 gals. of water</p>	<p>Apply as a full cover spray. Do not apply more than 3 gals. per 500 sq. ft. of vineyard. Do not make more than 5 applications per season, a minimum of 7 days apart. Do not apply within 28 days of harvest.</p>

Nectarines	Aphids, Mites (Brown Two-spotted Spider), Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq. ft. of orchard. Do not make more than 3 applications per season, a minimum of 14 days apart. Do not apply within 21 days of harvest
Peaches	Aphids, Mites (Brown Two-spotted Spider), Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq. ft. of orchard. Do not make more than 3 applications per season, a minimum of 14 days apart. Do not apply within 21 days of harvest.

Plums and Prunes	Aphids (Leafcurl Plum, Mealy Plum, Thistle), Mites (Brown, European Red)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq. ft. of orchard. Do not make more than 3 applications per season, a minimum of 7 days apart. Do not apply within 21 days of harvest.
Strawberries	Aphids, Two-spotted Spider Mites, Strawberry Leafrollers	2 tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gals. 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 gals. per 500 sq. ft. of orchard. Do not make more than 3 applications per season, a minimum of 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 CA. Do not use this product on walnuts grown in other states.

[BACK LABEL CONTINUED]

VEGETABLES

For foliar or soil applications, Diazinon Insect 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 food crops grown in greenhouses.

Pre-Harvest Intervals (PHI*) for Foliar Applications

Crop (Days)	PHI* (Days)	Crop	PHI* (Days)	Crop	PHI*
Beans ¹ (succulent varieties Only)	7	Collards	10	Potatoes (Irish)	35
Lima, Pole, and Snap)		Crenshaw	3	Radishes	14
Broccoli	7	Cucumbers	7	Spinach	14
Cabbage	21	Endive (escarole)	14	Squash, Summer	7
Cantaloupes	3	Honeydew	3	Squash, Winter	3
Carrots	14	Melons	10	Sweet Corn	7
Casabas Melons	3	Kale	14	Tomatoes	1
Cauliflower	7	Lettuce	3	Turnips	14
Chinese Broccoli	10	Muskmelons	14	(Roots&Tops)	
Chinese Cabbage	10	Onions (Bulb&Green)	14	Watermelons	3
		Parsnips	7		
		Peas ¹	5		
		Peppers			

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

¹ Succulent varieties only. Do not use this product on dried pea or bean varieties such as pinto beans, dried limas, split peas, or dried black-eyed peas.

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[BACK LABEL CONTINUED]

Crop	Pests	Rate	Timing/Special Directions
Beans (Lima, Pole and Snap) (succulent varieties 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. Do not apply within 7 days of harvest.
	Cutworms, (surface and subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 ½ 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 ½ gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
NOTE: (1) Do not apply this product to dried bean varieties such as pinto beans or dried limas. (2) 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)	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-56 inches for subterranean cutworms.
	Mole Crickets	2 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 7 days of harvest. NOTE: resistant leafminers will not be controlled by diazinon or similar type insecticides

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 21 days of harvest. NOTE: resistant leafminers will not be controlled by diazinon or similar type insecticides.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 ½ gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches.
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 14 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 ½ gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 4-8 inches.
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 7 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
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. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides
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. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides

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. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides
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 14 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides

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. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides
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 14 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 ½ gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

<p>Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians, and Watermelons)</p>	<p>Aphids, Thrips, Spider Mites</p>	<p>2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden</p>	<p>Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.</p>
<p>Onions (Bulb and Green)</p>	<p>Onion Thrips</p>	<p>2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden</p>	<p>Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest.</p>
<p>Parsnips</p>	<p>Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites</p>	<p>2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden</p>	<p>Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides</p>

Peas (succulent 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. Allow at least 7 days between the last application and harvest.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 ½ 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 ½ 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 or dried black-eyed peas. (2) To protect bees do not apply foliage treatments if peas or weeds in the treatment area are in bloom.			

Peppers	Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly pray all plant parts. Repeat application every 7 days up 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 application every 7 days up to 5 applications per season. Do not apply within 35 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides
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 application every 7 days up to 3 applications per season. Do not apply within 14 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides

Radishes (continued)	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 up to 5 applications per season. Do not apply within 14 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides
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, Thrips, 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 application every 7 days up to 5 applications per season. Corn may be picked 7 days following last application.
	Cutworms, (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 ½ 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 ½ gals. of water	Broadcast to the 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, Vingar Flies (<i>Drosophila</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.

Tomatoes (continued)	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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 ½ gals. of water	Broadcast to the just before planting. Immediately work into soil 4-8 inches
Turnips and Turnip Tops	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 application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 ½ 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.

[BACK LABEL CONTINUED]

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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 AFTER OPENING.

Container Disposal: Do not reuse empty container. Thoroughly rinse container, securely wrap it in several layers of newspaper and discard in trash.

Pesticide Disposal: Securely wrap original container in several layers of newspaper and discard in trash.

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

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye injury. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. 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
ORGANOPHOSPHATE PESTICIDE**

If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious or convulsing person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for help. You may also want to contact 911 for emergency medical treatment information.</p>	
<p>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.</p>	

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. Apply this product only as specified on this label. 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 since rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, if waterfowl, i.e., (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 irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and 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 residues on blooming plants. Do not apply this pesticide or allow it to drift to blooming plants if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

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

NOTE: Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith. Voluntary Purchasing Groups, Inc. warrants this product to conform to the chemical description on the label and for the purposes stated on the label. The limit of any liability incurred shall be the purchase price paid by the user or buyer.

VOLUNTARY PURCHASING GROUPS, INC.
P.O. BOX 460
BONHAM, TX 75418

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EPA Est. No. 7401-TX-1