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Systems Integration Group, Inc.

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
9688-128

Date of Issuance:
MAY - 4 1999

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:
Chemsico Diazinon
Insect Spray

Name and Address of Registrant (include ZIP Code):

Chemsico
Division of United Industries
P.O. Box 15842
St. Louis, MO 63114

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Reg. No. 9688-128".
 - b. Please note that since your submission NOVARTIS has revised the application rates on the product you are repackaging to reflect their current residue chemistry data. Your rates must be revised accordingly as indicated in further comments in this Notice.

Signature of Approving Official:

Date:

MAY - 4 1999

- c. On the standard label, revise the rate for control of foliar pests (eg., aphids, beetles, leafhoppers, mites, thrips, etc.) on all vegetable crops to read "1 teaspoon in 1 gal. of water to cover 500 sq. ft. of garden" rather than "2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden". Your current directions for Rutabagas shows the correct rate.
- d. On the standard label, revise the minimum amount of water for control of Cutworms and Wireworms to "1 gal. of water" rather than "1 1/2 gals. of water". Your current directions for Rutabagas shows the correct rate.
- e. On the optional Ready Spray Nozzle directions, revise the rate for Apples to read "1 fl. oz. covers 375 sq. ft. (8 fl. oz covers 3,000 sq. ft.; 1 quart covers 12,000 sq. ft.)". Please note that since these last two coverage amounts are so large for a home garden situation, it would probably be better to just give the 1 fl. oz. coverage amount. As we discussed by telephone, the container must have visible fl. oz. markings on it so that the consumer can easily determine how much spray has been delivered in order to avoid the residue problems of over application to food crops.
- f. On the optional Ready Spray Nozzle directions for Apricots Nectarine, and Peaches, please note that the 1 quart coverage would be 12,000 sq. ft. rather than 8,000 sq. ft. - but see item "e" above.
- g. On the optional Ready Spray Nozzle directions for Blueberries, revise the rate to read "1 fl. oz. covers 300 sq. ft.". Please note the coverage for 8 fl. oz. would be 2,400 sq. ft. and for 1 quart the coverage would be 9,600 sq. ft. - but see item "e" above.
- h. On the optional Ready Spray Nozzle directions for Grapes, please note the coverage for 8 fl. oz. would be 5,336 sq. ft. and for 1 quart the coverage would be 21,344 sq. ft. - but see item "e" above.
- i. On the optional Ready Spray Nozzle directions for Melons, revise the rate to read "1 fl. oz. covers 1,050 sq. ft.". Please note the coverage for 8 fl. oz. would be 8,400 sq. ft. and for 1 quart the coverage would be 33,200 sq. ft. - but see item "e" above.

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- j. On the optional Ready Spray Nozzle directions for Pears, revise the rate to read "1 fl. oz. covers 375 sq. ft.". Please note the coverage for 8 fl. oz. would be 3,000 sq. ft. and for 1 quart the coverage would be 12,000 sq. ft. - but see item "e" above.
- k. On the optional Ready Spray Nozzle directions for Beans, revise the rate to read "1 fl. oz. covers 1,050 sq. ft.". Please note the coverage for 8 fl. oz. would be 8,400 sq. ft. and for 1 quart the coverage would be 33,600 sq. ft. - but see item "e" above.
- l. On the optional Ready Spray Nozzle directions for Broccoli, etc. revise the rate to read "1 fl. oz. covers 1,050 sq. ft.". Please note the coverage for 8 fl. oz. would be 8,400 sq. ft. and for 1 quart the coverage would be 33,600 sq. ft. - but see item "e" above.
- m. On the optional Ready Spray Nozzle directions for Onions, revise the rate to read "1 fl. oz. covers 1,050 sq. ft.". Please note the coverage for 8 fl. oz. would be 8,400 sq. ft. and for 1 quart the coverage would be 33,600 sq. ft. - but see item "e" above.
- n. On the optional Ready Spray Nozzle directions for Radishes, revise the rate to read "1 fl. oz. covers 1,050 sq. ft.". Please note the coverage for 8 fl. oz. would be 8,400 sq. ft. and for 1 quart the coverage would be 33,600 sq. ft. - but see item "e" above.
3. Submit three (3) 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 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.

ACCEPTED
with COMMENTS
In EPA Letter Dated: MAY - 4 1999
Chemsico
Diazinon
Insect Spray

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. **9688-128**

This product must not be used on golf courses and sod farms.
 For outdoor use on the home lawn and the home garden only.

PROTECTS MANY AREAS: (Optional: PROTECTS) Lawns, Vegetables, Fruits & Nuts, Roses, Flowers, Trees, Shrubs • Protects lawns from grubs and other insects • Controls/kills lawn & garden insects and soil pests

WIDE RANGE OF CONTROL: (Optional: CONTROLS) Ants, Aphids, Chinch Bugs, Cutworms, Fire Ants¹, Flea Beetles, Grubs, Mites, Sod Webworms & many others

Controls tough outdoor insects • Kills lawn and garden insects . . . including grubs, chinch bugs, fleas, sod webworms, aphids, beetles, whiteflies, ants, mites, brown dog ticks and other unwanted insects • Kills grubs • Connect and Spray (Optional for hose-end sprayer) • Spray concentrate • Contains diazinon insecticide • Diazinon Concentrate • Diazinon Insect Spray • Concentrated Insect Spray • Water-based • Non-Flammable • Broad Spectrum Pest Control • Dilute and Spray • Covers up to 5000 sq. ft. (Qt)/2500 sq. ft. (Pint) of Lawn • Fast Acting • Less Smell • Low Odor • Low Odor Ciba Diazinon • Easy to Mix • Easy to Apply • Use on Lawns, Ornamentals, Vegetables, and Fruits
¹Aids in control

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 end of booklet for additional precautionary statements (Optional: See back booklet for additional precautionary statements)

NET CONTENTS 1 PINT

STOP. (optional) READ ENTIRE LABEL BEFORE USE.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, PLANT INJURY, OR ILLEGAL RESIDUES.

GENERAL INFORMATION

Chemsico Diazinon Insect Spray is a water-based 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 people and pets. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. Chemsico Diazinon Insect Spray works fast and applications should be repeated only as directed to maintain control.

- Notes:
- (1) Do not use inside the home.
 - (2) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since injury may occur.
 - (3) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties.
 - (4) Do not apply to food crops grown in greenhouses.
- 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 fruits, nuts and vegetables, measure the area to be sprayed. For trees, shrubs and flowers, 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 Spectracide Lawn & Garden Insect Control and water as indicated in the rate chart.

Step #3: **Spray as directed in rate chart.** Thorough coverage is important.

Step #4: Flush sprayer with clean water after each use.

See chart for complete list of use sites, plants, and insects controlled. Use the rate given in the chart for the type of insect you want to control on the site or plant you are spraying.

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 gals. of water = 1 1/2 teaspoons in 1 gal. of water
- 2 tablespoons in 3 gals. of water = 2 teaspoons in 1 gal. of water

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LAWNS

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 and waterfowl. Avoid overlapping of sprays. 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.

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

FOR INSECT CONTROL: Apply as indicated below. Use 1-1/2 tablespoons in 3 gallons of water to cover 125 sq. ft. or 6 fl. oz. in 24 gallons of water to cover 1,000 sq. ft.

SURFACE INSECTS (Icon)

Including: Ants, armyworms, bermudagrass mites, billbugs, chinch bugs, clover mites, crickets, cutworms, earwigs, frit flies, lawn moths (sod webworms), leaf-hoppers, millipedes, rhodesgrass scales, sowbugs and springtails (Collembola) Thoroughly wet down grass a few hours before applying. If chinch bugs in the North are the only problem, a lower rate of application can be used: 3 teaspoons in 3 gallons of water to cover 125 sq. ft. or 4 fl. oz. in 24 gallons of water to cover 1,000 sq. ft. For frit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry.

Brown dog ticks, chiggers, and fleas: 1 1/2 tablespoons in 3 gallons of water to cover 125 sq. ft. or 6 fl. oz. in 24 gallons of water to cover 1,000 sq. ft. For brown dog ticks, spray grass and under shrubbery, particularly near house. Note: Do not apply this product to animals.

UNDERGROUND INSECTS (Icon)

Including: White grubs (Japanese beetle, European chafer, Southern chafer), dung beetle and Hyperodes weevils: Water grass thoroughly after application.

WHEN TO TREAT: Treat the following pests during the months indicated or when first noticed.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Treat Ants and other insects when they first appear or you notice lawn damage.

NUISANCE PESTS OUTSIDE THE HOME	
Pests	Directions
Ants, Boxelder bugs, Brown dog ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (Collembola)	Mix 2 fl. oz. in 1 gallon 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. 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. Do not treat animals with this product. Do not treat plants (other than tree trunks) at this nuisance pest rate.
Fire ants	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 gallon 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. NOTE: For best results, apply in cool weather 65 - 80 °, or in early morning or late evening hours. Treat new mounds as they appear.

ORNAMENTAL TREES, SHRUBS AND FLOWERS Spray when listed pests first appear. Mix 2 teaspoons in 1 gallon of water. Apply as a thorough foliar spray. Wet leaves and branches to the point of dripping. Try to spray underside of leaves and penetrate dense foliage. Repeat application as necessary.

TREES AND SHRUBS	
Plants	Pests
Arborvitae, Azaleas, Birch, Boxwood, Camellias, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Apple-and-Thorn skeletonizers, Bagworms, Dipterous leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Hemlock chermes, Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European red, Privet, Two-spotted spider), Moths (European pine shoot, Holly bud), Oak loppers, Obliquebanded leafrollers, Obscure root weevils, Omnivorous leafliers, Scale crawlers (Cottony cushion, Euonymus, Lecanium, Pine needle, Pit, San Jose, Soft), Webworms (Cotoneaster, Fall, Juniper, Mimosa), Whiteflies
	NOTE: For Mimosa Webworms, apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.

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ROSES AND FLOWERS	
Plants	Pests
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

FRUITS AND NUTS Chemsico Diazinon Insect Spray should be applied in the amount of water recommended in the table below. Start spraying after blooming. Treat when aphids, mites, and crawler stages of scale insects or other insects are first noticed. Apply as a full cover foliar treatment, thoroughly spraying all parts of the plant. Spray until plants just begin to drip. **Observe stated time intervals between last application and harvest, as well as intervals between applications and the total number of applications that can be made per season.** NOTE: To protect bees, do not apply to fruit trees when trees or substantial numbers of weeds around the trees are in bloom.

NUMBER OF DAYS TO WAIT BETWEEN THE LAST APPLICATION AND HARVEST					
Fruits & Nuts	PHI*	Fruits & Nuts	PHI*	Fruits & Nuts	PHI*
Almonds	**	Crenshaw Melons	3	Peaches	21
Apples	21	Cherries	21	Pears	21
Apricots	21	Dewberries	7	Plums	21
Blackberries	7	Grapes	28	Prunes	21
Blueberries	7	Honeydew Melons	3	Raspberries	7
Boysenberries	7	Loganberries	7	Strawberries	5
Cantaloupes	3	Muskmelons	3	Walnuts	45
Casaba Melons	3	Nectarines	21	Watermelons	3

* PHI = Pre-Harvest Interval. ** Dormant spray only.

Fruits & Nuts	Pests	Rate	Directions
Almonds (CA only)	Scales (Parlatoria, San Jose)	2 teaspoons in 1 gal. of water	Apply only as a dormant spray (before the leaves come out). Do not apply more than 6 gallons per 500 sq. ft. of home orchard.
NOTE: This product may be used on almonds only in CA. Do not use this product on almonds grown in other states.			

Fruits & Nuts	Pests	Rate	Directions
Apples	Aphids, Apple maggots, Codling moths, Eyespotted budmoths, Fruit Tree Leafrollers, Leafhoppers, Mealybugs, Scale crawlers (san Jose Forbes), Spider Mites	2 teaspoons in 1 gal. of water	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 14 days apart. Do not apply within 21 days of harvest. Note: Resistant apple maggots may not be controlled by diazinon or similar type insecticides.
Apricots, Nectarines, Peaches	Aphids, Apricot mealybugs, Mites (Brown Two-spotted spider), Scale crawlers (Olive, San Jose)	2 teaspoons in 1 gal. of water	Do not apply more than 4 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart.
Blueberries	Aphids, Blueberry maggots, Cherry fruitworms, Cranberry fruitworms, Thrips, Two-spotted spider mites	2 teaspoons in 1 gal. of water	Apply as a full cover spray. Allow a minimum of 14 days between applications. Do not apply more than 4 gals. per 500 sq. ft. of blueberry patch. Do not make more than 2 applications per season. Allow a minimum of 7 days between the last application and harvest.
Caneberries (CA, OR, WA only): Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Raspberry fruitworms, Thrips, Two-spotted spider mites	2 teaspoons in 1 gal. of water	Do not apply more than 5 gallons per 500 sq. ft. of caneberry patch. Do not make more than 5 applications per season a minimum of 14 days apart. NOTE: This product may be used on caneberries only in CA, OR and WA. Do not use this product on caneberries grown in other states.
Cherries, Plums, Prunes	Black cherry aphids, Cherry fruitflies, Cherry fruitworms (maggots), Fruitree leafrollers, Mites (Cherry rust), Scale crawlers (San Jose)	2 teaspoons in 1 gal. of water	Do not apply more than 4 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 7 days apart.
Grapes	Aphids, Grape berry moths, Grape leafhoppers, Leafhoppers	1-1/2 teaspoons in 1 gal. of water	Do not apply more than 3 gallons per 500 sq. ft. of home vineyard. Do not make more than 5 applications per season a minimum of 7 days apart.

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Fruits & Nuts	Pests	Rate	Directions
Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians, and Hybrids of these) and Watermelons	Aphids, Spider mites, Thrips	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden	Repeat application every 7 days up to 5 applications per season.
Pears	Aphids, Apple maggots, Codling moths	2 teaspoons in 1 gal. of water	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 14 days apart. Do not apply within 21 days of harvest.
Strawberries	Aphids, Strawberry leafrollers, Two-spotted spider mites	2 teaspoons in 1 gal. of water	Do not apply more than 3 gallons per 500 sq. ft. of strawberry patch. Do not make more than 3 applications per season a minimum of 7 days apart.
Walnuts (CA only)	Aphids, Scale crawlers (Walnut, Italian pear, Frosted), Spider mites, Twig borers	2 teaspoons in 1 gal. of water	Do not apply more than 6 gallons per 500 sq. ft. of home orchard. Do not make more than 3 applications per season 14 days apart. Do not apply after husks open or split.
NOTE: This product may be used on walnuts only in CA. Do not use this product on walnuts grown in other states.			

VEGETABLES For foliar or soil applications, Chemsico Diazinon Insect Spray should be applied in the amount of water recommended in the table below. For application to the foliage, thoroughly spray all plant parts. Wet the plant just to the point of dripping. Application to the soil should be mixed into the soil immediately after application. Start treating when insects are first noticed. **Observe stated time intervals between last application and harvest as well as intervals between applications and the maximum number of applications per season.** Do not apply to vegetables grown in greenhouses. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

NUMBER OF DAYS TO WAIT BETWEEN THE LAST APPLICATION AND HARVEST					
Vegetables	PHI*	Vegetables	PHI*	Vegetables	PHI*
Beans ¹ (succulent varieties only: Lima, Pole, Snap)	7	Cucumbers	7	Potatoes (Irish)	35
Broccoli	7	Endive (Escarole)	14	Radishes,	14
Cabbage	21	Kale	10	Spinach	14
Carrots	14	Lettuce	14	Squash, Summer	7
Cauliflower	7	Onions (Bulb, Green)	14	Squash, Winter	3
Chinese Broccoli	10	Parsnips	14	Sweet Corn	7
Chinese Cabbage	10	Peas ¹	7	Tomatoes	1
Collards	10	Peppers	5	Turnips	14

*PHI=Pre-Harvest Interval. ¹Do not use this product on dried pea or bean varieties such as pinto beans, dried limas, split peas or dried black-eyed peas.

Underground insects (cutworms, mole crickets, root maggots and wireworms) are treated with a soil application which is immediately mixed into the soil at specific depth for each insect. Refer to the following table for the required depth for each insect listed.

SOIL INCORPORATION TABLE

Insect	Depth of Mixing into Soil
Surface cutworms, Root maggots	2-3 inches
Subterranean cutworms	3-6 inches
Mole crickets	1-2 inches
Wireworms	4-8 inches

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Vegetables	Pests	Rate	Directions
Beans: Lima, Pole, Snap (succulent varieties only); Peas (succulent only)	Aphids, Beetles (Cucumber, Mexican bean), Grasshoppers, Leafhoppers, Spider mites	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden	If necessary, treat every 5 days, up to 3 applications per season.
	Cutworms (surface, subterranean), Wireworms (For peas, snap beans only)	6 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly just before planting. Use for treating wireworms on peas and snap beans only.
	Mole crickets	2 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly 1-2 days before planting.
NOTES: (1) Do not use this product on dried pea or bean varieties such as pinto beans, dried limas, split peas or dried black-eyed peas. (2) To protect bees, do not apply foliage treatments if the beans, peas 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	Spray the soil evenly just before planting.
	Mole crickets	2 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly 1-2 days before planting.

Vegetables	Pests	Rate	Directions
Broccoli, Cauliflower, Chinese Broccoli, Chinese Cabbage (Bok Choy, Napa), Collards, Cucumbers, Endive (Escarole), Kale, Parsnips, Peppers, Potatoes, Spinach, Squash (Summer, Winter)	Aphids, Armyworms (Southern), Beetles (Colorado potato, Flea) Diamondback moths, Dipterous leafminers, Imported cabbageworms, Leafhoppers, Spider mites, Thrips	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden	If necessary, treat every 7 days, up to 5 applications per season.
	Cabbage	Aphids, Diamondback moths, Dipterous leafminers, Flea beetles, imported cabbageworms	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden
	Cutworms (surface, subterranean), Root maggots, Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly just before planting.
Carrots, Corn (Sweet corn)	Aphids, Dipterous leafminers, Flea beetles, Grasshoppers, Leafhoppers, Spider mites, Thrips	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden	If necessary, treat every 7 days, up to 5 applications per season.
	Cutworms (surface, subterranean), Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly just before planting.
	Mole crickets	2 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly 1-2 days before planting.
NOTE: To protect bees, do not apply to corn foliage during the pollen shed period.			
Lettuce, Tomatoes	Aphids, Armyworms (Fall, Southern), Beetles (Colorado potato, Flea) Dipterous leafminers, Leafhoppers, Spider mites, Vinegar flies (<i>Drosophila</i> spp.)	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden	If necessary, treat every 7 days, up to 5 applications per season.

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Vegetables	Pests	Rate	Directions
Lettuce, Tomatoes	Cutworms (surface, subterranean), Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly just before planting.
Onions (Bulb, Green)	Onion thrips	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden	If necessary, treat every 7 days, up to 3 applications per season.
Radishes	Aphids, Dipterous leafminers, Flea beetles, Imported cabbageworms, Leafhoppers	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden	If necessary, treat every 7 days, up to 3 applications per season.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly just before planting.
Rutabagas	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Dipterous Leafminers	1 teaspoon in 1 gal. of water to cover 500 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 gal. of water	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
Turnips	Aphids, Dipterous leafminers, Flea Beetles, Imported cabbageworms, Leafhoppers	2 teaspoons in 1 gal. of water to cover 350 sq. ft. of garden	If necessary, treat every 7 days, up to 5 applications per season.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1-1/2 gals. of water	Spray the soil evenly just before planting.

STORAGE AND DISPOSAL

Storage: Do not store near heat or open flame. Store in original container in an area inaccessible to children and pets. **Disposal:** To avoid harming aquatic organisms in rivers and other surface waters, do not pour the concentrate, the spray mixture, or the rinse water into sanitary drains, (for example, toilets and sinks) or into storm water sewers (for example, street drains). Do not reuse empty container. Triple rinse the empty container, pour the rinse water into the sprayer and spray the treated area. Securely wrap empty container in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, take the container to your local household waste disposal facility, or 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

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

If swallowed: Call a physician 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. **If inhaled:** Remove victim to fresh air. If not breathing, apply artificial respiration, preferably mouth-to-mouth. Get medical attention. **If on skin:** Wash with plenty of soap and water. Get medical attention. **If in eyes:** Flush eyes with plenty of water and get medical attention. **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. If ingested, induce emesis or lavage stomach.

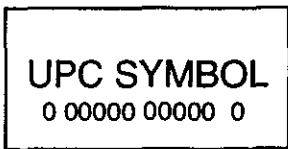
Environmental Hazards

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. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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 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.

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Physical or Chemical Hazards

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



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

Questions or comments? Call 800-332-5553

Made in the USA for
Spectrum Group, Division of United Industries Corporation,
P. O. Box 15842, St. Louis, MO 63114-0842
EPA Reg. No. 8845-92 EPA Est. No. 9688-MO-1

FN: C-DIAZ.WB2 ©1997

OPTIONAL READY SPRAY NOZZLE DIRECTIONS

**STOP. READ ENTIRE LABEL BEFORE USE.
DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, PLANT INJURY, OR ILLEGAL RESIDUES.

GENERAL INFORMATION

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

- Notes:**
- (1) Do not use inside the home.
 - (2) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since injury may occur.
 - (3) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties.
 - (4) Do not apply to food crops grown in greenhouses.

- 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 APPLY

Determine the size of the spraying job. For lawns, fruits, nuts and vegetables, measure the area to

be sprayed. For trees, shrubs and flowers, apply as a thorough cover spray. Begin treating when insects first appear. Applications should be repeated only as directed to maintain control. Apply as directed in the rate chart. Remember, thorough coverage is important. Be sure to follow the important use limitations for the specific fruit or vegetable you are treating, including the amount of spray that can be applied, the interval between treatments and the days to wait before harvest.

USING THE READY SPRAY NOZZLE (Optional Subhead)

- 1. Shake bottle well before using.
- 2. Connect a garden hose to the ready spray nozzle. Make sure the black water control dial on the nozzle is in the "OFF" position (tab is vertical).
- 3. Turn on water faucet. Extend hose to the farthest area to be treated and work back towards faucet so that you do not walk over treated areas. Twist the small, star shaped black product control button to align the flat portion with the lock tab. Push the button in to open.
- 4. To BEGIN spraying, point nozzle towards the area to be treated and turn the black water control dial to the "ON" position (tab is horizontal). Water will automatically mix with the product. Walk at a steady pace while spraying using an even sweeping motion. Refer to site gauge on bottle to determine amount of product being applied.
- 5. To STOP spraying turn the black water control dial to the "OFF" position. Push the small, black product control button back in to close. Twist the small, star shaped black product control button so that it is no longer aligned with the flat portion of the lock tab. Turn off the water at the faucet. To relieve pressure, turn the black water control dial to the "ON" position until water stops spraying before removing the nozzle from the hose.
- 6. To STORE unused product, place in a cool area away from heat, direct sunlight or open flame and out of reach of children or pets.

LAWNS

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 and waterfowl. Avoid overlapping of sprays. 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.*

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

FOR INSECT CONTROL: Apply as indicated below. Use 1 quart to cover 5,332 sq. ft. of lawn (8 fl. oz. covers 1,333 sq. ft.; a pint covers 2,666 sq. ft.)

SURFACE INSECTS (icon)

Including: *Ants, armyworms, bermudagrass mites, brown dog ticks, chiggers, chinch bugs, clover mites, crickets, cutworms, earwigs, fleas, frit flies, lawn moths (sod webworms), leafhoppers, millipedes, rhodesgrass scales, sowbugs and springtails (collembola)* Thoroughly wet down grass a few hours before applying. If chinch bugs in the North are the only problem, a lower rate of application can be used: 1 quart covers 8,000 sq. ft. (1 pint covers 4,000 sq. ft.). For frit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry.

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UNDERGROUND INSECTS (icon)

Including: **Billbugs, white grubs (Japanese beetle, European chafer, Southern chafer), dung beetle and hyperodes weevils:** Water grass thoroughly after application.

WHEN TO TREAT: Treat the following pests during the months indicated or when first noticed.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Billbugs

Grubs

Dung beetle grubs

Hyperodes weevils

Treat Ants and other insects when they first appear or you notice lawn damage.

ORNAMENTAL TREES, SHRUBS AND FLOWERS

TREES AND SHRUBS

Arborvitae, Azaleas, Birch, Boxwood, Camellias, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow

Insects

Directions

Aphids, Apple-and-Thorn skeletonizers, Bagworms, Hemlock chermes, Dipterous leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European red, Privet, Two-spotted spider), Moths (European pine shoot, Holly bud), Oak loppers, Obliquebanded leafrollers, Obscure root weevils, Omnivorous leafiers, Pear slugs, Scale crawlers (Cottonycushion, Euonymus, Lecanium, Pine needle, Pit, San Jose, Soft), Tent caterpillars, Webworms (Coloneaster, Fall, Juniper, Mimosa), Whiteflies

Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray. **Mimosa webworms:** Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.

ROSES AND FLOWERS

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

Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

FRUITS AND NUTS

Start spraying after blooming. Treat when aphids, mites, and crawler stages of scale insects or other insects are first noticed. Spray until plants just begin to drip. **Observe stated time intervals between last application and harvest, as well as intervals between applications and the total number of applications that can be made per season.** NOTE: To protect bees, do not apply to fruit trees when trees or substantial numbers of weeds around the trees are in bloom.

NUMBER OF DAYS TO WAIT BETWEEN THE LAST APPLICATION AND HARVEST

Fruits & Nuts	PHI*	Fruits & Nuts	PHI*	Fruits & Nuts	PHI*
Almonds	**	Crenshaw Melons	3	Peaches	21
Apples	21	Cherries	21	Pears	21
Apricots	21	Dewberries	7	Plums	21
Blackberries	7	Grapes	28	Prunes	21
Blueberries	7	Honeydew Melons	3	Raspberries	7
Boysenberries	7	Loganberries	7	Strawberries	5
Cantaloupes	3	Muskmelons	3	Walnuts	45
Casaba Melons	3	Nectarines	21	Watermelons	3

* PHI = Pre-Harvest Interval. ** Dormant spray only.

Fruits & Nuts	Pests	Rate	Directions
Almonds (CA only)	Scales (Parlatoria, San Jose)	1 fl. oz. covers 250 sq. ft (8 fl. oz. covers 2,000 sq. ft.; 1 quart covers 8,000 sq. ft.)	Apply only as a dormant spray (before the leaves come out).
NOTE: This product may be used on almonds only in CA. Do not use this product on almonds grown in other states.			
Apples	Aphids, Apple maggots, Codling moths, Eyespotted budmoths, Fruit Tree Leafrollers, Leafhoppers, Mealybugs, Scale crawlers (san Jose Forbes), Spider Mites	1 fl. oz. covers 250 sq. ft (8 fl. oz. covers 2,000 sq. ft.; 1 quart covers 8,000 sq. ft.)	Apply as a full cover spray. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest. Note: Resistant apple maggots may not be controlled by diazinon or similar type insecticides.

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Fruits & Nuts	Pests	Rate	Directions
Apricots, Nectarine, Peaches	Aphids, Apricot mealybugs, Mites (Brown, Two-spotted spider), Scale crawlers (Olive, San Jose)	1 fl. oz. covers 375 sq. ft. (8 fl. oz. covers 3,000 sq. ft.; 1 quart covers 8,000 sq. ft.)	Do not make more than 3 applications per season a minimum of 14 days apart.
Caneberries (CA, OR, WA only): Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Raspberry fruitworms, Thrips, Two-spotted spider mites	1 fl. oz. covers 300 sq. ft. (8 fl. oz. covers 2,400 sq. ft.; 1 quart covers 9,600 sq. ft.)	Do not make more than 5 applications per season a minimum of 14 days apart.
	NOTE: This product may be used on caneberries only in CA, OR and WA. Do not use this product on caneberries grown in other states.		
Cherries, Plums, Prunes	Aphids (Black cherry, Leafcurl plum, Mealy plum, Thistle), Cherry fruitflies, Cherry fruitworms (maggots), Fruittree leafrollers, Mites (Brown, Cherry rust, European red), Scale crawlers (San Jose)	1 fl. oz. covers 375 sq. ft. (8 fl. oz. covers 3,000 sq. ft.; 1 quart covers 12,000 sq. ft.)	Do not make more than 3 applications per season a minimum of 7 days apart.
Blueberries	Aphids, Blueberry maggots, Cherry fruitworms, Cranberry fruitworms, Thrips, Two-spotted spider mites	1 fl. oz. covers 250 sq. ft. (8 fl. oz. covers 2,000 sq. ft.; 1 quart covers 8,000 sq. ft.)	Apply as full cover spray. Allow a minimum of 14 days between applications. Do not make more than 2 applications per season. Allow a minimum of 7 days between the last application and harvest.
Grapes	Aphids, Grape berry moths, Grape leaffolders, Leafhoppers	1 fl. oz. covers 667 sq. ft. (8 fl. oz. covers 5,332 sq. ft.; 1 quart covers 21,332 sq. ft.)	Do not make more than 5 applications per season a minimum of 7 days apart.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians, and Hybrids of these) and Watermelons	Aphids, Spider mites, Thrips	1 fl. oz. covers 1,000 sq. ft. (8 fl. oz. covers 8,000 sq. ft.; 1 quart covers 32,000 sq. ft.)	Repeat application every 7 days up to 5 applications per season.

Fruits & Nuts	Pests	Rate	Directions
Pears	Aphids, Apple maggots, Codling moths	1 fl. oz. covers 250 sq. ft. (8 fl. oz. covers 2,000 sq. ft.; 1 quart covers 8,000 sq. ft.)	Apply as a full cover spray. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Strawberries	Aphids, Strawberry leafrollers, Two-spotted spider mites	1 fl. oz. covers 500 sq. ft. (8 fl. oz. covers 4,000 sq. ft.; 1 quart covers 16,000 sq. ft.)	Do not make more than 3 applications per season a minimum of 7 days apart.
Walnuts (CA only)	Aphids, Scale crawlers (Walnut, Italian pear, Frosted), Spider mites, Twig borers	1 fl. oz. covers 250 sq. ft.; (8 fl. oz. covers 2,000 sq. ft.; 1 quart covers 8,000 sq. ft.)	Do not make more than 3 applications per season 14 days apart. Do not apply after husks open or split.
	NOTE: This product may be used on walnuts only in CA. Do not use this product on walnuts grown in other states.		

VEGETABLES Start treating when insects are first noticed. Spray to assure thorough coverage of all parts of the plant. Wet the plant just to the point of dripping. **Observe stated time intervals between last application and harvest as well as intervals between applications and the maximum number of applications per season.** Do not apply to vegetables grown in greenhouses. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

NUMBER OF DAYS TO WAIT BETWEEN THE LAST APPLICATION AND HARVEST					
Vegetables	PHI*	Vegetables	PHI*	Vegetables	PHI*
Beans ¹ (succulent varieties only: Lima, Pole, Snap)	7	Cucumbers	7	Potatoes (Irish)	35
Broccoli	7	Endive (Escarole)	14	Radishes,	14
Cabbage	21	Kale	10	Spinach	14
Carrots	14	Lettuce	14	Squash, Summer	7
Cauliflower	7	Onions (Bulb and Green)	14	Squash, Winter	3
Chinese Broccoli	10	Parsnips	14	Sweet Corn	7
Chinese Cabbage	10	Peas ¹	7	Tomatoes	1
Collards	10	Peppers	5	Turnips	14

*PHI=Pre-Harvest Interval. ¹Do 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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Vegetables	Pests	Rate	Directions
Beans: Lima, Pole, Snap (succulent varieties only), Peas (succulent only)	Aphids, Beetles (Cucumber, Mexican bean), Grasshoppers, Leafhoppers, Spider mites	1 fl. oz. covers 1,000 sq. ft. (8 fl. oz. covers 8,000 sq. ft.; 1 quart covers 32,000 sq. ft.)	If necessary, treat every 5 days. Make no more than 3 applications per season
	NOTES: (1) Do not use this product on dried pea or bean varieties such as pinto beans, dried limas, split peas or dried black-eyed peas. (2) To protect bees, do not apply foliage treatments if the beans, peas or weeds in the treatment area are in bloom.		
Broccoli, Cabbage, Cauliflower, Carrots, Chinese Broccoli, Chinese Cabbage (Bok Choy, Napa), Collards, Corn (Sweet corn), Cucumbers, Endive (Escarole), Kale, Lettuce, Parsnips, Peppers, Potatoes, Spinach, Squash (Summer, Winter), Tomatoes, Turnips	Aphids, Armyworms (Fall, Southern), Beetles (Colorado potato, Flea), Diamondback moths, Dipterous leafminers, Grasshoppers, Imported cabbageworms, Leafhoppers, Spider mites, Thrips, Vinegar flies (<i>Drosophila spp.</i>)	1 fl. oz. covers 1,000 sq. ft. (8 fl. oz. covers 8,000 sq. ft.; 1 quart covers 32,000 sq. ft.)	If necessary, treat every 7 days. Make no more than 5 applications per season.
	NOTE: To protect bees, do not apply to corn foliage during the pollen shed period.		
Onions (Bulb, Green)	Onion thrips	1 fl. oz. covers 1,000 sq. ft. (8 fl. oz. covers 8,000 sq. ft.; 1 quart covers 32,000 sq. ft.)	If necessary, treat every 7 days. Make no more than 3 applications per season
Radishes	Aphids, Dipterous leafminers, Flea beetles, Imported cabbageworms, Leafhoppers	1 fl. oz. covers 1,000 sq. ft. (8 fl. oz. covers 8,000 sq. ft.; 1 quart covers 32,000 sq. ft.)	If necessary, treat every 7 days. Make no more than 3 applications per season.

STORAGE AND DISPOSAL

Storage: Be sure the small, star shaped black product control button is in the closed position. Do not store near heat or open flame. Store in original container in an area inaccessible to children and pets.
Disposal: To avoid harming aquatic organisms in rivers and other surface waters, do not pour the concentrate, the spray mixture, or the rinse water into sanitary drains, (for example, toilets and sinks) or into storm water sewers (for example, street drains). Do not reuse empty container. Triple rinse the empty container, pour the rinse water into the sprayer and spray the treated area. Securely wrap empty container in several layers of newspaper and discard in trash. If disposal of a partially full

container is necessary, take the container to your local household waste disposal facility, or make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

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