

8845-92

11-16-2001

1/12



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Glenda Mah
Spectrum Group
Division of United Industries
P.O. Box 142642
St. Louis, MO 63114-0642

NOV 16 2001

Dear Ms. Mah:

Subject: Amendment - Comply with 2000 Diazinon MOA;
Delete Almonds;
Update First Aid per PR Notice 2001-1;
And Update CSF/replacement diazinon source
Spectracide Lawn & Garden Insect Control Concentrate
EPA Registration Number 8845-92
Your submission dated June 21, 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. For both the standard and the Optional Ready Spray Directions, under the heading DIRECTIONS FOR USE, slightly revise the reformulation prohibition to read "Reformulation or repackaging of this product is prohibited."
 - b. For both the standard and the Optional Ready Spray Directions, under the heading GENERAL INFORMATION, revise Note 5 to read "Do not apply in greenhouses."
 - c. For both the standard and the Optional Ready Spray Directions, for Lawns, under the subheading Surface Insects, revise "fruit flies" and "friut flies" to frit flies".
 - d. For both the standard and the Optional Ready Spray Directions, in the table for Trees and Shrubs, correct "Oak loppers" to "Oak loopers".
 - e. For the standard label, in the table for Roses and Flowers, correct "Chrysan-themums" to "Chrysanthemums".

2/12

- f. For both the standard and the Optional Ready Spray Directions, revise the first sentence to read "To avoid harming aquatic organisms in rivers and other surface waters, do not pour the concentrate, spray mixture, or rinse water into sanitary drains ((for example, toilets, floor drains, and sinks) or into storm water sewers (for example street drains)).".
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 June 19, 2001 and the Alternate CSF dated June 19, 2001 which identify replacement diazinon source Manufacturing Use Products are acceptable and have been added to this product's registration file.

Sincerely,

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



Lawn & Garden Insect Control CONCENTRATE

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: [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: [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 • Kills 90+ Pests • *Guaranteed Results or Your Money Back • GreenThumb® Satisfaction Guarantee ¹Aids in control]

Active Ingredient:	
Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	25.0%
Inert Ingredients *	75.0%

* Contains aromatic petroleum distillates

KEEP OUT OF REACH OF CHILDREN

CAUTION See end of booklet for additional precautionary statements

[Option for Booklet Label: See back booklet for additional precautionary statements]

NET CONTENTS 1 PINT

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
NOV 16 2001**

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 8845-92

[Bracketed Text] = Optional Language

[OPTIONAL PRODUCT FACT BOX]

PRODUCT FACTS

What It Does:

Kills Grubs, Ants, Fleas, Chinch Bugs, Sod Webworms, Aphids, Beetles, Whiteflies, Mites, Brown Dog Ticks and Other Listed Insects

Where to Use: (icon outdoors)

Questions & Comments: (phone icon) (computer icon)

Call 1-800-332-5553 or Visit our Website at www.spectracide.com

NOTE: This product is non-staining to most home siding depending on age and cleanliness. However, before using in areas where the spray may contact home siding (vinyl siding in particular), test in an inconspicuous area and recheck in a few hours. Do not use if any staining is observed.

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. Reformulation or repackaging this product is prohibited.

GENERAL INFORMATION

Spectracide Lawn and Garden Insect Control 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 people and pets. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. Spectracide 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 inside 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 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.*

3/12

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 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

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. Augustine grass.

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, brown dog ticks, chiggers, chinch bugs, clover mites, crickets, cutworms, earwigs, fleas, fruit 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: 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 fruit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry.

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.

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.

2/1/02

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 looppers, Obliquebanded leafrollers, Obscure root weevils, Omnivorous leaf tiers, Scale crawlers (Cottoncushion, 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.
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 Spectracide Lawn and Garden Insect Control 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*
Apricots	21	Dewberries	7	Plums	21
Blackberries	7	Grapes	28	Prunes	21
Boysenberries	7	Honeydew Melons	3	Raspberries	7
Cantaloupes	3	Loganberries	7	Strawberries	5
Casaba Melons	3	Muskmelons	3	Walnuts	45
Crenshaw Melons	3	Nectarines	21	Watermelons	3

* PHI = Pre-Harvest Interval.

Fruits & Nuts	Pests	Rate	Directions
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.
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), Fruit tree 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 leafrollers, 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.
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.
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.

Fruits & Nuts	Pests	Rate	Directions
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, Spectracide Lawn and Garden Insect Control 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. Do 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

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.

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	If necessary, treat every 7 days, up to 5 applications per season.
	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 spp.</i>)	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.
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.

7/12

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.
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. **USE CONTENTS WITHIN 6 MONTHS AFTER OPENING.** **Disposal:** Do not pour the concentrate, the spray mixture or the rinse water down the drain or sewer. 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

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 Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious or convulsing person. **If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a Poison Control Center or doctor for further treatment advice. **If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for further treatment advice. **If in Eyes:** Hold eyes 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. Have the product container or label with you when call a Poison Control Center or doctor, or going for treatment. **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.

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.

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

[*If you are not satisfied with this product for any reason, send your written request for a refund to the address below, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.]

[**Satisfaction Guaranteed:** If for any reason you are not completely satisfied with the performance or results of this GreenThumb® product, it will be repaired or replaced free of charge. Simply provide proof of purchase and return the product and/or unused portion to the place of purchase.]

Made in the USA for

Spectrum Group, Division of United Industries Corporation,
P.O. Box 142642, St. Louis, MO 63114-0642

EPA Reg. NO. 8845-92 EPA Est. No. 9688-MO-1

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OPTIONAL READY SPRAY NOZZLE DIRECTIONS

NOTE: this product is non-staining to most home siding depending on age and cleanliness. However, before using in areas where the spray may contact home siding (vinyl siding in particular), test in an inconspicuous area and recheck in a few hours. Do not use if any staining is observed.

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. Reformulation or repackaging this product is prohibited.

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. Spectracide works fast and applications should be repeated only as directed to maintain control.

- Notes:
- (1) USE CONTENTS WITHIN 6 MONTHS AFTER FIRST USE. SEE STORAGE AND DISPOSAL DIRECTIONS.
 - (2) Do not use inside 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 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, fruit flies, lawn moths (sod webworms), leathoppers, 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 fruit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry.

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 leafhoppers, Pear slugs, Scale crawlers (Cottonycushion, Euonymus, Lecanium, Pine needle, Pit, San Jose, Soft), Tent caterpillars, Webworms (Cotoneaster, 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*
Apricots	21	Dewberries	7	Plums	21
Blackberries	7	Grapes	28	Prunes	21
Boysenberries	7	Honeydew Melons	3	Raspberries	7
Cantaloupes	3	Loganberries	7	Strawberries	5
Casaba Melons	3	Muskmelons	3	Walnuts	45
Crenshaw Melons	3	Nectarines	21	Watermelons	3
<ul style="list-style-type: none"> • PHI = Pre-Harvest Interval 					
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.		
Grapes	Aphids, Grape berry moths, Grape leafhoppers, 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.		

10/12

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.
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Fruits & Nuts	Pests	Rate	Directions
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.

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.			

11/11

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</i> spp.)	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. **USE CONTENTS WITHIN 6 MONTHS AFTER FIRST USE.** **Disposal:** Do not pour the concentrate, the spray mixture or the rinse water down the drain or sewer. Be sure the small, star shaped black product control button is in the closed position. Do not reuse empty container. Securely wrap it 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.

First Aid

If Swallowed: Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious or convulsing

person. **If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a Poison Control Center or doctor for further treatment advice. **If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for further treatment advice. **If In Eyes:** Hold eyes 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. Have the product container or label with you when call a Poison Control Center or doctor, or going for treatment. **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.

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.

Physical or Chemical Hazards

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

12/12