

452436

NOV - 2 1993

Ms. Christina Lawes
Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, NJ 07645

Dear Ms. Lawes:

Subject: Amendment - Revise per Agency letter
dated August 2, 1993

Ford's Diazinon 25 E

EPA Reg. No. 10370-38

Your submission dated October 15, 1993

The amendment referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy of the label is enclosed for your records. The following revisions should be made when preparing the actual finished labeling:

CONTAINER LABEL:

- 1) The front panel referral statement directs the user to the "booklet under cap". Is that really where the booklet will be? If not, revise the referral statement accordingly.
- 2) Under the heading DIRECTIONS FOR USE, capitalize the "F" of "Federal".
- 3) The referral statement under the heading **General Information** directs the user to the "booklet under cap". Is that really where the booklet will be? If not, revise the referral statement accordingly.

BOOKLET LABEL:

- 1) Under the signal word CAUTION there is a referral statement: "See end of booklet for additional precautionary statements", however, the Precautionary Statements then follow immediately. That being the case, you should delete the referral statement.

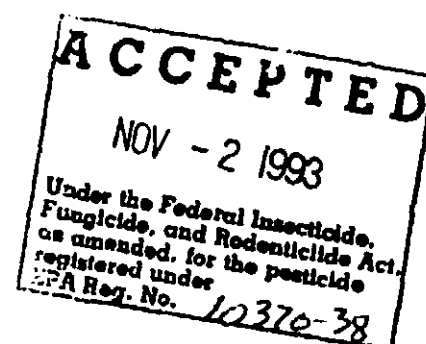
- 2) Under the heading DIRECTIONS FOR USE, capitalize the "F" of "Federal".
- 3) In item "5" of the "Notes" under the heading "GENERAL INFORMATION", revise "green houses" to "greenhouses".
- 4) Be certain that the correct PHIs appear in the Fruits and Nuts table for the crops Raspberries (7 days), Strawberries (5 days), and Walnuts (45 days) - these numbers were illegible on the submitted label copy.
- 5) For the crop "Cabbage" add the resistance limitation as follows to the "Timing/Special Directions" for use against the pests group including "Aphids" to "Dipterous Leafminers":
- NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides."

Labeling released for shipment after the deadline imposed by the Diazinon Registration Standard, as amended, must be the revised amended label. As stipulated in the letter dated August 2, 1993, from the Agency's Special Review and Reregistration Division, products containing 25% EC formulations of diazinon may not be released after August 31, 1993 and no pesticide product containing diazinon 25% EC formulation may be distributed or sold after August 31, 1994, unless the product is the new CAUTION formula with the appropriate approved Toxicity Category III labeling.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide Rodenticide Branch
Registration Division (H7505C)

Ford's
Diazinon 25E



Lawn & Garden Insect Control

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

For outdoor use on the home lawn and the home garden only.

Spray concentrate. Contains diazinon insecticide.

Active Ingredient:
Diazinon: O, O-Diethyl
O-(2-Isopropyl-6-methyl-4-pyrimidinyl)
phosphorothioate 25.0%

Inert
Ingredients*: 75.0%

Total: 100.0%

* Contains aromatic petroleum distillates.

KEEP OUT OF REACH
OF CHILDREN.

CAUTION

See side panel for additional precautionary statements.

EPA Reg. No. 10370-38

Net Contents

Protects

Lawns
Vegetables
Fruits and Nuts
Roses, Flowers
Trees, Shrubs

Controls

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

'Aids in control

See full label in booklet under cap for complete directions for mixing and applying this product and a complete list of pests controlled.

ROUSSEL UCLAF
Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, New Jersey 07645

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Ornamental Trees & Shrubs

Arborvitae.

Azaleas, Birch.

Boxwood, Camellias.

Douglas Fir, Elm.

Hawthorn Holly.

Juniper, Lilac.

Locust, Magnolia.

Mimosa, Oak, Pine.

Ornamental Plum.

Podocarpus.

Rhododendron.

Sorbus, Willow.

Aphids, Mites, Scale Crawlers, Whiteflies, Tent Caterpillars and others *

Storage and Disposal

Storage

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

Disposal

Do not reuse empty container. Thoroughly rinse container, securely wrap 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.

Statement of Practical Treatment

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

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

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

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

Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. This product contains aromatic petroleum

distillates which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

Environmental Hazards

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply 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, to areas where surface water is present, or to intertidal areas below the mean high water mark. 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.

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, CROP INJURY, OR ILLEGAL RESIDUES.

General Information

Diazinon 25E is an emulsifiable concentrate product which must be diluted with water before application. This product kills many outdoor pests which damage lawns, roses, flowers, trees, shrubs, vegetables and fruits and insects which annoy pets and people.

SEE THE BOOKLET UNDER CAP FOR COMPLETE DIRECTIONS FOR USE AND PESTS CONTROLLED.

Notes: (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. SEE STORAGE AND DISPOSAL DIRECTIONS. (2) Do not use in the home. (3) Do not use on ferns, poinsettia, hibiscus, papaya, olea, geranium or orchids since plant 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.

After spraying, wait the following number of days before harvesting fruits, nuts, or vegetables:

1 day	Tomatoes
3 days	Melons, Winter Squash
5 days	Peppers, Strawberries
7 days	Beans, Broccoli, Blackberries, Boysenberries, Cauliflower, Cucumbers, Dewberries, Loganberries, Peas, Raspberries, Summer Squash, Sweet Corn
10 days	Chinese Broccoli, Chinese Cabbage, Collards, Kale
14 days	Carrots, Endive (Escarole), Lettuce, Onions (Bulb and Green), Parsnips, Radishes, Spinach, Turnips
21 days	Al. cots, Cabbage, Chermes, Nectarines, Peaches, Plums, Prunes
28 days	Grapes
35 days	Potatoes (Irish)
45 days	Walnuts
*	Almonds (one dormant spray only)

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.

*This table is only a partial listing of the pests controlled by this product. See booklet under cap for complete directions for use and pests controlled.

Problem Area	Pests*
Noisance Pests in Outside Areas	Ants, Brown Dog Ticks, Chiggers, Cockroaches, Crickets, Fleas, Fire Ants, Soldiers and others*
Lawns	Chinch Bugs, Ants, Sod Webworms, Brown Dog Ticks, Fleas, White Grubs, Lawn Billbugs and others*
Vegetables: Foliar Application	
Beans, Peas (except dried varieties)	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites
Broccoli, Chinese Broccoli, Cabbage, Chinese Cabbage, Cauliflower, Collards, Kale	Aphids, Flea Beetles, Dipterous Leafminers, Diamondback Moths, Imported Cabbageworms
Endive (Escarole), Lettuce, Spinach	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites

Peppers. Tomatoes	Aonids. Colorado Potato Beetles. Fall Armyworms (Tomatoes). Flea Beetles. Leafhoppers. Southern Armyworms (Tomatoes). Vinegar Flies - <i>Drosophila</i> spp. (Tomatoes)
Onions (Bulb and Green)	Onion Thrips
Radishes. Turnips. Carrots. Parsnips. Potatoes	Aonids. Flea Beetles. Leafhoppers. Dipterous Leafminers. Colorado Potato Beetles (Potatoes). Southern Armyworms (Potatoes)
Sweet Corn	Aonids. Flea Beetles. Grasshoppers. Spider Mites
Melons. Squash (Summer, Winter)	Aonids. Thrips. Spider Mites
Vegetables: Preripant Soil Application	
Beans. Peas (except dried varieties)	Cutworms. Mole Crickets. Wireworms (Snap Beans)
Beets. Red (Table)	Cutworms. Mole Crickets
Cabbage	Cutworms. Root Maggots. Wireworms
Carrots. Sweet Corn	Cutworms. Mole Crickets. Wireworms
Lettuce. Tomatoes	Cutworms. Wireworms
Radishes. Turnips	Cutworms
Fruits & Nuts	
Almonds (California only)	Scale Crawlers
Walnuts (California only)	Aonids. Scale Crawlers. Spider Mites and others*
Apricots. Peaches. Nectarines	Aonids. Apricot Mealybugs (Apricots). Spider Mites. Scale Crawlers
Cherries	Black Cherry Aonids. Cherry Fruitflies. Cherry Rust Mites. Scale Crawlers and others*
Plums. Prunes	Aonids. Spider Mites
Caneberries (CA, OR, WA only): Blackberries. Boysenberries. Dewberries. Loganberries. Raspberries	Aonids. Leafhoppers. Two-Spotted Spider Mites. Thrips. Raspberry Fruitworms
Strawberries	Aonids. Two-Spotted Spider Mites. Strawberry Leafrollers
Grapes	Aonids. Grape Berry Moths. Grape Leafrollers. Leafhoppers
Roses & Flowers	
Azaleas. Camellias. Chrysanthemums. Carnations. Glabadi. Lilac. Rhododendron. Roses	Aonids. Flea Beetles. Dipterous Leafminers. Leafhoppers. Mealybugs. Two-spotted Spider Mites. Thrips. Whiteflies and others*

Diazinon 25E

Lawn & Garden Insect Control

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

For outdoor use on the home lawn and the home garden only.

Spray concentrate. Contains diazinon insecticide.

Active Ingredient:
Diazinon: O, O-Diethyl
O-(2-Isopropyl-6-methyl-4-pyrimidinyl)
phosphorothioate 25.0%

Inert
Ingredients*: 75.0%

Total: 100.0%

* Contains aromatic petroleum distillates.

KEEP OUT OF REACH
OF CHILDREN.

CAUTION

See end of booklet for additional precautionary statements

EPA Reg. No. 10370-38

Protects

Lawns
Vegetables
Fruits and Nuts
Roses, Flowers
Trees, Shrubs

Controls

Ants, Aphids
Chinch Bugs
Cutworms
Fire Ants¹
Flea Beetles
Grubs, Mites
Sod Webworms
...and many others

¹ Aids in control

Net Contents

Statement of Practical Treatment

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

If inhaled: Remove victim to fresh air and assure artificial respiration if indicated. Get medical attention.

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

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

Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidote. 2-PAM is also antidote and may be administered, but only in conjunction with atropine. This product contains aromatic petroleum distillates which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

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 sod, 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.

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 lands in Nassau County, New York, between November 1 and May 30. Do not exceed maximum permitted label rates. Application rates above U.S.A. recommendations significantly increase potential hazards to birds and waterfowl. A 1:1 overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions for waterfowl, i.e., ducks or geese, can be trapped in the spray. If after treatment (except sod treatment), water lawn with at least 1/2 inch of water immediately after spraying this product, however, etc. watering before mowing occurs. Keep out of lakes, streams, ponds, soil marshes and estuaries. Do not apply directly to water or areas where surface water is present, or to intertidal areas. Avoid the fresh high water mark. Runoff may be hazardous to aquatic organisms in waterbearing areas. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crabs, and other aquatic life and their natural 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 spray or drift. Do not apply this pesticide or dilution to or on blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

Do not use, about soil, or move near heat or open flame.

ROUSSEL UCLAF

Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, New Jersey 07645

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DIRECTIONS FOR USE

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

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 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.

General Information

Diazinon 25E is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section "How to Mix and Apply." This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts, and insects which annoy pets and people. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. Diazinon works fast and applications should be repeated as directed to maintain control.

Notes: (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. SEE STORAGE AND DISPOSAL DIRECTIONS. (2) Do not use in the home. (3) Do not use on ferns, poinsettias, hibiscus, papaya, pine, gardenia or orchids since injury may occur. (4) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. (5) Do not apply to food crops grown in green houses.

Precautions: (1) Wear a long-sleeved shirt and long-legged pants when spraying. (2) Spray with the wind to your back. (3) Do not spray on windy days. (4) If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

How to Mix and Apply

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

Diazinon 25E

Step #2: Use clean sprayer. Carefully measure and mix the amount of Diazinon 25E and water as suggested in the rate chart.

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

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

Measurement Conversions

1 tablespoon = 3 teaspoons

1 fl. oz. = 6 teaspoons or 2 tablespoons

8 fl. oz. = 1 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

Lawn Pest Control

Precautions: Birds, especially waterfowl, feeding or drinking in treated areas may be fed. Apply this product only as directed on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York, between November 1 and May 30. Do not exceed maximum permitted label rates. Since rates above these recommendations significantly increase potential hazards to birds and waterfowl, avoid over-

loading of sprays. Where emersion (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (residual spot treatment), water down with at least 1/4 inch of water immediately after spraying the product; however, stop watering before puddling occurs.

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

To control pests listed below, apply recommended rates.

Pests	Rate		Remarks
	Diazinon 25E	Water	
Lawn Chinch Bugs	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Thoroughly wet down grass a few hours before applying. In the North, if Chinch Bugs are the only problem, a lower rate of application can be used: 3 teaspoons in 3 gals. of water covers 125 sq. ft. or 4 fl. oz. in 24 gals. of water per 1,000 sq. ft.
Ants, Armyworms, Bermudagrass Mites, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, S. & Webworms (Lawn Moths), Sowbugs (Pillbugs)	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Thoroughly wet down grass a few hours before applying. For ants and digger wasps, spot spray and hills and wash ground near coverings. For digger wasps, apply at dusk, when wasps are not active. Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect. For frit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry.
Brown Dog Ticks, Chiggers, Fleas	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	NOTE: Do not apply this product to animals. For brown dog ticks, spray grass and wash shrubbery, particularly near house.
Hyperodes Weevil	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Treat problem areas in mid-April and again in mid-June. Water grass thoroughly after application.
Millipedes	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Thoroughly wet grass a few hours before applying.
Rhodesgrass Scale	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Apply when crawlers first emerge.
White Grubs of Japanese Beetles, European Chafers, Southern Chafers	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Apply any time between late July and early October. Water grass thoroughly after application.

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Nuisance Pests Outside the Home

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, Pillbugs, Spiders, Springtails, Collared Pupae	Mix 6 fl. oz. in 3 gals. of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls, entranceways, walls, 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.
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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 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Respray 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°F. or in early morning or late evening hours. Treat new mounds as they appear.

Insect Control on Ornamental Trees, Shrubs and Flowers

Trees and Shrubs	Insects	Rate per 3 Gals. of Water	Timing/Speed - Directions
Arbutus, Azaleas, Birch, Jacaranda, Camellias, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Potted, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leafminers (Arbutus, Azaleas, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-spotted Spider, Oblique Root Weevil, Omnivorous Leafhoppers, Scale Crawlers (Cottony-cushion, Euonymus, Lecanium, Pine Needle, Pil, San Jose, Soft)	2 table- spoons	Apply as a thorough foliar spray. Wet leaves and branches to the drooping point. Try to penetrate dense foliage with spray.
	Webworms (Juniper, Mimosa), Whiteflies	2 table- spoons	Apply as a thorough foliar spray. Mimosa Webworms: apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.
	Apple-and-Thorn Skeletonizers, Hemlock Chermes, Oak Looper, Obliquebanded Leafhopper, Pear Slug, Tort Caterpillars, Webworms (Cottony-cushion, Fall)	2 table- spoons	Apply as a thorough foliar spray.

Roses and Flowers	Insects	Rate per 3 Gals. of Water	Timing/Speed - Directions
Azaleas, Camellias, Chrysanthemums, Carnations, Gladiol, Lilac, Rhododendron, Roses	Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider, Thrips, Whiteflies	2 table- spoons	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

Fruits and Nuts

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

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

Crop	PHI*
Almonds	21
Apples	21
Blackberries	7
Boysenberries	7
Cherries	21
Dewberries	7
Grapes	28
Loganberries	7
Nectarines	21
Peaches	21
Plums	21
Prunes	21
Raspberries	7
Strawberries	7
Walnuts	15

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

** Dormant spray only.

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

Crop	Pest	Rate	Timing/Speed - Directions
Almonds (CA only)	San Jose scale, Periderm scale	2 table- spoons in 3 gals. of water	Apply only as a dormant spray. Do not apply more than 6 gallons per 600 sq. ft. of orchard. This product may be used on almonds only in CA. Do not use the product on almonds grown in other states.

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Ornamentals	Aphids, Aphidid Mealybugs, Mites (Brown), Two-spotted Spider, Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applica- tions per season a minimum of 14 days apart. Do not apply within 21 days of harvest.	Plums and Prunes	Aphids (Leafcurl Plum, Mealy Plum, Thistle), Mites (Brown, European Red)	4 teaspoons in 2 gals. of water
Can- berries CA, OR, WA only; Black- berries, Raspber- ries, Dew- berries, Logan- berries, Rasp- berries	Aphids, Leafhoppers, Raspberry Fruitworms, Two-spotted Spider Mites, Thrips	2 tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of field. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 7 days of harvest. This product may be used on canberries only in CA, OR and WA. Do not use this product on canber- ries grown in other states.	Straw- berries	Aphids, Two-spotted Spider Mites, Strawberry Leafrollers	2 tablespoons in 3 gals. of water
Cherries	Black Cherry Aphids, Cherry Fruitworms, Cherry Fruitworms (Maggots), Fruitree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applica- tions per season a minimum of 7 days apart. Do not apply within 21 days of harvest.	Walnuts (CA only)	Aphids, Scale Crawlers (Walnut, Italian Pear, Frosted), Spider Mites, Twig Borers	2 tablespoons in 3 gals. of water
Grapes	Aphids, Leafhoppers, Grape Berry Moths, Grape Leafrollers	4 1/2 teaspoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of vineyard. Do not make more than 5 applica- tions per season a minimum of 7 days apart. Do not apply within 28 days of harvest.			
Vegetables	Aphids, Mites (Brown), Two-spotted Spider, Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applica- tions per season a minimum of 14 days apart. Do not apply within 21 days of harvest.			
Peaches	Aphids, Mites (Brown), Two-spotted Spider, Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applica- tions per season a minimum of 14 days apart. Do not apply within 21 days of harvest.			

Vegetables

For foliar or soil applications. **Diazinon 25E** should be applied in the volume of water recommended in the table below to assure thorough coverage of the foliage or soil.

Observe stated time intervals between last application and harvest as well as intervals between applications and maximum numbers of applications per season. Do not apply to food crops grown in greenhouses.

Pre-Harvest Interval (PHI)* for Foliar Applications

Crop	PHI* (Days)
Beans ¹ succulent varieties only: Lima, Pole and Snap	7
Broccoli	7
Cabbage	21
Cauliflower	3
Carrots	14
Casabab	3
Cauliflower	7
Chinese Broccoli, Chinese Cabbage, Collards	10
Cranberries	3
Cucumbers	7
Onion (Escarole)	14
Onion (Mignon)	3
Kale	10
Lettuce	14
Muskmelon	3
Onions (Bulb and Green), Parsnips	14
Peas ¹	7
Peppers	1
Potatoes (Irish)	35
Radishes, Spinach	14
Squash, Summer	7
Squash, Winter	3
Sweet Corn	7
Tomatoes	1
Turnips (Roots and Tops)	14
Watermelons	3

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

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

Vegetables

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

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

NOTES: (1) Do not apply this product to dried bean varieties such as pinto beans or dried limas. (2) To protect bees, do not apply when blooming treatments if the bees or weeds in the treatment area are in bloom.

Beets, Red (Table)	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Destructive Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.
			NOTE: Repeat treatments and not be controlled by dusts or similar type insecticides.

Cabbage	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Destructive Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 91 days of harvest.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Root Maggots	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches.
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-6 inches.

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Carrots	Aphids. Flea Beetles. Leafhoppers. Dipterous Leafminers. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 14 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Cutworms (surface, subterranean)		6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for sur- face cutworms, 3-6 inches for subterra- nean cutworms.
Mole Crickets		2 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before plant- ing. Immediately work into soil 1-2 inches.
Wireworms		6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-6 inches.
Cauliflower	Aphids. Diamondback Moths. Flea Beetles. Imported Cabbageworms. Dipterous Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 7 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Chinese Broccoli	Aphids. Diamondback Moths. Flea Beetles. Imported Cabbageworms. Dipterous Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 10 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Chinese Cabbage (Bok Choy and Napa)	Aphids. Diamondback Moths. Flea Beetles. Imported Cabbageworms. Dipterous Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 10 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Catnips	Aphids. Diamondback Moths. Flea Beetles. Imported Cabbageworms. Dipterous Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 10 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.

Com sweet corn			
Cucumbers	Aphids. Thrips. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 7 days of harvest.
Endive (Escarole)	Aphids. Flea Beetles. Leafhoppers. Dipterous Leafminers. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 14 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Kale	Aphids. Diamondback Moths. Flea Beetles. Imported Cabbageworms. Dipterous Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 10 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Lettuce	Aphids. Flea Beetles. Leafhoppers. Dipterous Leafminers. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 14 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for sur- face cutworms, 3-6 inches for subterra- nean cutworms.
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-6 inches.
Melons (Cantaloupes, Casabes, Cren- shaws, Honey- cress, Muskmelons, Persians, and Hybrids of these)	Aphids. Thrips. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 3 days of harvest.
and Water- melons			

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Onions (Bulb and Greens)	Onion Thrips	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 14 days of harvest.
Peas (succulent only)	Aphids. Flea Beetles. Leafhoppers. Dietitious Leafminers. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applica- tions per season. Do not apply within 14 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
	Cutworms (surface, subterranean)	5 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for sur- face cutworms, 3-6 inches for subterra- nean cutworms.
	Mole Crickets	2 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before plant- ing. Immediately work into soil 1-2 inches.
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-6 inches.
NOTES: (1) Do not apply this product to dried pea varieties such as silk peas or dried black-eyed peas. (2) To protect bees, do not apply foliage treatments if peas or weeds in the treatment area are in bloom.			
Peppers	Aphids. Colorado Potato Beetles. Flea Beetles. Leafhoppers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 5 days of harvest.
Potatoes	Aphids. Flea Beetles. Leafhoppers. Colorado Potato Beetles. Southern Armyworms. Dietitious Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 35 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.

Radishes	Aphids. Flea Beetles. Leafhoppers. Imported Cabbageworms. Dietitious Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applica- tions per season. Do not apply within 14 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for sur- face cutworms, 3-6 inches for subterra- nean cutworms.
Squash	Aphids. Flea Beetles. Leafhoppers. Dietitious Leafminers. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 14 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
Squash, Summer	Aphids. Thrips. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 7 days of harvest.
Squash, Winter	Aphids. Thrips. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 3 days of harvest.
Sweet Corn	Aphids. Thrips. Flea Beetles. Grasshoppers. Spider Mites	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Corn may be picked 7 days following last application.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for sur- face cutworms, 3-6 inches for subterra- nean cutworms.
	Mole Crickets	2 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before plant- ing. Immediately work into soil 1-2 inches.
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-6 inches.
NOTE: To protect bees, do not apply to corn foliage during the pollen shed period.			

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14 of 14

Tomatoes	Aphids, Colorado Potato Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Flies (Drosophila spp.)	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 1 day of harvest.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for sur- face cutworms, 3-6 inches for subterra- nean cutworms.
	Wireworms	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-6 inches.
Turnips and Turnip Tops	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Diopterous Leafminers	2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. Do not apply within 14 days of harvest. NOTE: Resistant leaf- miners will not be con- trolled by diazinon or similar type insecti- cides.
	Cutworms (surface, subterranean)	6 tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for sur- face cutworms, 3-6 inches for subterra- nean cutworms.

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

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