

16-166

12/12/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Thomas McEntee
Dragon Chemical Corporation
71 Carolyn Blvd.
Farmingdale, NY 11735

DEC 12 2002

Dear Mr. McEntee:

Subject: Amendment - Comply with 2000 Diazinon MOA;
Delete Almonds;
Update First Aid per PR Notice 2001-1; and
Update CSF/replacement diazinon source
Dragon Diazinon Water Based Concentrate
EPA Registration Number 16-166
Your submissions dated October 25 and December 10, 2002

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. Delete "Reformulating or repackaging is prohibited" from beneath the front panel ingredients statement. Instead, for both Version A and Version B of the label, under the heading Directions For Use, after the sentence beginning "It is a violation of Federal law..." add "Reformulation or repackaging of this product is prohibited."
 - b. In the Hazards to Humans and Domestic Animals, revise the sentence "Do not use inside the home" to read "Do not use inside the home or in greenhouses."
 - c. For both Version A and Version B of the label, under the heading GENERAL INFORMATION, revise item 4 of the NOTES to read "Do not apply in greenhouses."

- d. The Agency understands that page 4 of the submitted label was left blank intentionally.
 - e. In Version A, on page 6 in the Fruits & Nuts section, delete "nia only)" and the associated underlining which is left over from the deleted entry for Almonds.
 - f. For both Version A and Version B, under the heading VEGETABLES, revise the last sentence of the introductory paragraph to read "Do not apply in greenhouses."
 - g. In Version A, in the first NOTE under the entry for the crop Peas, revise "ordried" to "or dried"
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 October 25, 2002 which identifies a replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

Sincerely,

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

DRAFT 4/24

WORKING COPY

[FRONT PANEL]

DRAGON® DIAZINON WATER-BASED CONCENTRATE

Nothing Beats The Dragon!

Protects lawns, vegetables, fruits, nuts, roses, flowers, ornamentals, trees and shrubs.
Controls ants, aphids, chinch bugs, cutworms, flea beetles, grubs, mites, sod webworms and many others as listed in directions.

Aids in control of fire ants.

Spray concentrate.

Controls many "hard-to-kill" sucking and chewing insects.

Concentrated

Broad spectrum pest control

Less smell

Low odor

Reduced odor formulation

Easy-to-mix

Easy-to-apply

Handles easily

Dilute and spray

Excellent performance

Controls soil, foliar and sucking pests

Convenient water-based formula

Concentrated = better value

Protects home lawns and home vegetable gardens

Controls pests in the home lawn and home garden

Controls a wide spectrum of pests

Soil and foliar insecticide with broad spectrum control

Spray on foliage or soil to control numerous pests

Reliable control

Covers up to _____ sq. ft. of lawn

Fast acting

Dependable control

Time tested insecticide

Economical

New water-based formula (Note: The term "new" may be used for no longer than 6 months following product introduction into the marketplace.)

Use on home lawns, ornamentals, vegetables and fruits

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS. [must appear in top 1/2 front panel]

FOR OUTDOOR USE ON THE HOME LAWN AND THE HOME GARDEN ONLY.

[Note to EPA: Label front panel may feature graphics representing insects controlled, e.g., grubs, mites, ants,..]

ACTIVE INGREDIENT:

Diazinon [O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate] 22.4%

INERT INGREDIENTS: 77.6%

★ RE FORMULATING OR REPACKAGING IS PROHIBITED ★

ACCEPTED
with COMMENTS
In EPA Letter D-10-10
DEC 12 2002
EPA Office of Pesticide Registration
Washington, DC 20460
16-166

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TOTAL 100.0%

Keep Out of Reach of Children

CAUTION

See back/side/other panel(s) for additional precautions.

NET CONTENTS _____ FL OZ

[BACK/SIDE/OTHER PANELS/BOOKLET, WHEN NECESSARY]

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. 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 or Poison Control Center 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 or convulsing.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. 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 ¼ 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 washwaters.

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.

VERSION A [table format]

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.

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GENERAL INFORMATION: DRAGON Diazinon Water-based Concentrate must be diluted with water before application. To avoid having spray mixture left over, mix only the amount needed. This product kills many outdoor pests which damage lawns, roses, flowers, trees, shrubs, vegetables and fruits, and insects which annoy pets and people.

- NOTE:**
1. Do not use inside the home.
 2. Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since plant 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 and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.
- Step 2:** Use clean sprayer. Carefully measure and mix the amount of Dragon Diazinon Water-based Concentrate and water as suggested in the rate chart.
- Step 3:** Spray as directed in rate chart. Thorough coverage is important. 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.
- Step 4:** Flush sprayer with clean water after each use.

MEASUREMENT CONVERSIONS:

- 1 tablespoon (Tbs.) = 3 teaspoons (tsp.)
- 1 fl. oz. = 6 tsp. or 2 Tbs.
- 6 fl. oz. = 3/4 cup
- 1 1/2 Tbs. in 3 gals. of water = 1 1/2 tsp. in 1 gal. of water
- 2 Tbs. in 3 gals. of water = 2 tsp. in 1 gal. of water

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, Blueberries, 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, Rutabagas, Spinach, Turnips
- 21 days Apricots, Cabbage, Cherries, Nectarines, Peaches, Plums, Prunes
- 28 days Grapes
- 35 days Potatoes (Irish)
- 45 days Walnuts

**



Problem Area	Pests+
<p>Nuisance Pests in Outside Areas</p> <p>Lawns</p>	<p>Ants, Brown dog ticks, Chiggers, Cockroaches, Crickets, Fleas, Fire ants, Spiders and others +</p> <p>Chinch bugs, Ants, Sod webworms, Brown dog ticks, Fleas, White grubs, Lawn billbugs and others +</p>
<p>Vegetables: Foliar Application</p> <p>Beans, Peas (except dried varieties)</p> <p>Broccoli, Chinese broccoli, Cabbage, Chinese cabbage, Cauliflower, Collards, Kale</p> <p>Endive (Escarole), Lettuce, Spinach</p> <p>Peppers, Tomatoes</p> <p>Onions (bulb and green)</p> <p>Radishes, Turnips, Carrots, Parsnips, Potatoes, Rutabagas</p> <p>Sweet corn</p> <p>Melons, Squash (summer, winter)</p>	<p>Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mites</p> <p>Aphids, Flea beetles, Dipterous leafminers, Diamondback moths, Imported cabbageworms</p> <p>Aphids, Flea beetles, Leafhoppers, Dipterous leafminers, Spider mites</p> <p>Aphids, Colorado potato beetles, Fall armyworms (tomatoes), Flea beetles, Leafhoppers, Southern armyworms (tomatoes), Vinegar flies - <i>Drosophila spp.</i> (tomatoes)</p> <p>Onion thrips</p> <p>Aphids, Flea beetles, Leafhoppers, Dipterous leafminers, Colorado potato beetles (potatoes), Southern armyworms (potatoes)</p> <p>Aphids, Flea beetles, Grasshoppers, Spider mites</p> <p>Aphids, Thrips, Spider mites</p>
<p>Vegetables: Preplant Soil Application</p> <p>Beans, Peas (except dried varieties)</p> <p>Beets, Red (table)</p> <p>Cabbage</p> <p>Carrots, Sweet Corn</p>	<p>Curworms, Mole crickets, Wireworms (snap beans)</p> <p>Curworms, Mole crickets</p> <p>Cutworms, Root maggots, Wireworms</p> <p>Cutworms, Mole crickets, Wireworms</p>

LAWN PEST CONTROL

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 ¼ 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. To control pests listed below, apply recommended rates.

Pests	Rate		Remarks
	Diazinon	Water	
Lawn Chinch Bugs	1½ Tbs. 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 tsp. 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 (<i>Collembola</i>), Crickets, Cutworms, Digger wasps, Earwigs, Frit flies, Lawn billbugs, Leafhoppers, Sod webworms (Lawn moths), Sowbugs (Pillbugs)	1½ Tbs. 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 ant hills and wasp ground nest openings. 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	1½ Tbs. 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 under shrubbery, particularly near house.
Hyperodes Weevil	1½ Tbs. 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-May. Water grass thoroughly after application.
Millipedes	1½ Tbs. 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.

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Pests	Rate		Remarks
	Diazinon	Water	
Rhodesgrass scale	1½ Tbs. per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Apply when crawlers first emerge.
White grubs of Japanese beetle, European chafer, Southern chafer	1½ Tbs. per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Apply any time between late July and early October. Water grass thoroughly after application.

NUISANCE PESTS OUTSIDE THE HOME	
Ants, Boxelder bugs, Brown dog ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (Collembola)	<p>Mix 2 fl. oz. in 1 gal. 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 hide.</p> <p>To prevent entry into houses, spray a 5-foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet. Repeat application as necessary.</p> <p>DO NOT treat animals with this product. DO NOT treat plants (other than tree trunks) at this nuisance pest rate.</p>
Fire Ants	<p>To aid in the control of fire ants in home lawns and other outdoor home recreation areas, apply 2 Tbs. in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration reducing product effectiveness.</p> <p>NOTE: For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear.</p>

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INSECT CONTROL ON ORNAMENTAL TREES, SHRUBS, ROSES AND FLOWERS			
Spray when listed pests first appear. Repeat as necessary.			
Plants	Insects	Rate per 1 Gal of Water	Timing/ Special Directions
Trees and Shrubs Arborvitae, Azaleas, Birch, Boxwood, Camellias, Crabapple, Dogwood, Douglas fir, Elm, Euonymus, Hawthorn, Holly, Honey locust, Honeysuckle, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental plum, Poplar, Rhododendron, Scotch pine, Spirea, Spruce, Sycamore, Wax plant (Hoya), Willow, Yellowwood, Yew	Aphids, Apple-and-Thorn Skeletonizers, Bagworms, European pine sawfly, European pine shoot moths, Holly bud moths, Dipterous leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Hemlock chermes, Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European red, Privet, Two-spotted spider), Oak loopers, Oblique-banded leafrollers, Obscure root weevils, Omnivorous leaftiers, Pear slugs, Scale crawlers (Cottonycushion, Euonymus, Lecanium, Pine needle, Pit, San Jose, Soft), Tent caterpillars, Webworms (Cotoneaster, Fall, Juniper, Mimosa), Whiteflies	2 tsp.	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray. Mimosa webworms: apply when adults first appear. Make 2 additional applications at 4-5 week intervals.
Roses and Flowers Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Lilies, Marigolds, Pansies, Petunias, Rhododendron, Roses	Aphids, Dipterous leafminers, Euonymus scale crawlers, Flea beetles, Leafhoppers, Mealybugs, Mites (Carnation bud, Carnation shoot, Cyclamen, European red, Two-spotted spider), Thrips, Whiteflies	2 tsp.	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

FRUITS AND NUTS

Apply at the rate of 2 tsp. per 1 gal. of water for all crops except grapes (1½ tsp. per 1 gal.). 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 number of days to wait between last application and harvest of the crop [pre-harvest interval (PHI)] shown in parentheses for each crop, as well as intervals between applications and 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.



Crop/(PHI)	Pest	Timing/Special Directions
Apricots (21)	Aphids, Apricot mealybugs, Mites (Brown, Two-spotted spider), Scale crawlers (Olive, San Jose)	Apply as a full cover spray. 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 (7)	Aphids, Blueberry maggots, Cherry fruitworms, Cranberry fruitworms, Thrips, Two-spotted spider mites	Apply as a full cover spray. Allow a minimum of 14 days between applications. Do not apply more than 4 gallons per 500 sq. ft. of blueberry patch. Do not make more than 2 applications per season.
Caneberries (7) e CA, OR, WA only: Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Raspberry fruitworms, Two-spotted spider mites, Thrips	Apply as a full cover spray. 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. This product may be used on caneberries in CA, OR and WA only. DO NOT use this product on caneberries grown in other states.
Cherries (21)	Black cherry aphids, Cherry fruitflies, Cherry fruitworms (Maggots), Fruittree leafrollers, Mites (Cherry rust), Scale crawlers (San Jose)	Apply as a full cover spray. 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 (28)	Aphids, Grape berry moths, Grape leafrollers, Leafhoppers	Apply at the rate of 1½ tsp. in 1 gallon of water as a full cover spray. 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.
Nectarines (21)	Aphids, Mites (Brown, Two-spotted spider), Scale Crawlers (Olive, San Jose)	Apply as a full cover spray. 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.
Peaches (21)	Aphids, Mites (Brown, Two-spotted spider), Scale crawlers (Olive, San Jose)	Apply as a full cover spray. 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.
Plums and Prunes (21)	Aphids (Leafcurl plum, Mealy plum, Thistle), Mites (Brown, European red)	Apply as a full cover spray. 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.

Crop/(PHI)	Pest	Timing/Special Directions
Strawberries (5)	Aphids, Two-spotted spider mites, Strawberry leafrollers	Apply as a full cover spray. 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 (45) e CA only	Aphids, Scale crawlers (Walnut, Italian pear, Frosted), Spider mites, Twig borers	Apply as a full cover spray. Do not apply more than 6 gallons 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 after husks open or split. This product may be used on walnuts in CA only. DO NOT use this product on walnuts grown in other states.

VEGETABLES			
<p>DRAGON® Diazinon Water-based Concentrate should be applied in the volume of water recommended below to assure thorough coverage of the foliage or soil. For application to the foliage, thoroughly spray all plant parts. For soil applications, you may need to mix the recommended amount of pesticide in more water to get even coverage. Application to the soil should be mixed into the soil immediately after application. Observe number of days to wait between last application and harvest of the crop [pre-harvest interval (PHI)] shown in parentheses for each crop, as well as intervals between applications and total number of applications that can be made per season. Do not apply to food crops grown in greenhouses.</p>			
Crop/(PHI)	Pest	Rate per 1 Gal. of Water to Cover 500 sq. ft. of Garden	Timing/Special Directions
Beans (7) – Lima, Pole and Snap (succulent varieties only) NOTE: 1. DO NOT apply this product to dried bean varieties such as pinto beans or dried limas. 2. To protect bees, DO NOT apply foliage treatments if the beans or weeds in the treatment area are in bloom.	Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 5 days, up to 3 applications per season.
	Cutworms (surface, subterranean)	6 Tbs..	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tbs.	Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms (snap beans only)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

Crop/(PHI)	Pest	Rate per 1 Gal. of Water to Cover 500 sq. ft. of Garden	Timing/Special Directions
Beets, Red (table)	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tbs.	Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches.
Broccoli (7), Cauliflower (7), Chinese Broccoli (10), Chinese Cabbage (Bok Choy & Napa) (10), Collards (10), Kale (10)	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers ¹	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Cabbage (21)	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers ¹	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Root Maggots	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches.
	Wireworms	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.
Carrots (14)	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers ¹ , Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Crop/(PHI)	Pest	Rate per 1 Gal. of Water to Cover 500 sq. ft. of Garden	Timing/Special Directions
	Mole Crickets	2 Tbs.	Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.
Corn - see Sweet Corn			
Cucumbers (7)	Aphids, Thrips, Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Endive (Escarole) (14)	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers ¹ , Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Lettuce (14)	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers ¹ , Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Wireworms	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.
Melons (3) (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and hybrids of these) and Watermelons	Aphids, Thrips, Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Onions (14) (bulb and green)	Onion thrips	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Parsnips ¹ (14)	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers ¹ , Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat applications every 7 days, up to 5 applications per season.

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Crop/(PHI)	Pest	Rate per 1 Gal. of Water to Cover 500 sq. ft. of Garden	Timing/Special Directions
Peas (7) (succulent only) NOTE: 1. DO NOT apply this product to dried pea varieties such as split peas or dried black-eyed peas. 2. To protect bees, DO NOT apply foliage treatments if peas or weeds in the treatment area are in bloom.	Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 5 days, up to 3 applications per season.
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole crickets	2 Tbs.	Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.
Peppers (5)	Aphids, Colorado potato beetles, Flea beetles, Leafhoppers	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Potatoes (35) (Irish)	Aphids, Flea beetles, Leafhoppers, Colorado potato beetles, Southern armyworms, Dipterous leafminers ¹	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Radishes (14)	Aphids, Flea beetles, Leafhoppers, Imported cabbageworms, Dipterous leafminers ¹	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 3 applications per season.
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
Rutabagas (14)	Aphids, Flea beetles, Leafhoppers, Imported cabbageworms, Dipterous leafminers ¹	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Crop/(PHI)	Pest	Rate per 1 Gal. of Water to Cover 500 sq. ft. of Garden	Timing/Special Directions
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
Spinach (14)	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers ¹ , Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Squash, summer (7)	Aphids, Thrips, Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Squash, winter (3)	Aphids, Thrips, Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
Sweet corn (7) NOTE: To protect bees, do not apply to corn foliage during the pollen shed period.	Aphids, Thrips, Flea beetles, Grasshoppers, Spider mites	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole crickets	2 Tbs.	Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.
Tomatoes (1)	Aphids, Colorado potato beetles, Fall armyworms, Flea beetles, Leafhoppers, Southern armyworms, Vinegar flies (<i>Drosophila spp.</i>)	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Wireworms	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

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Crop/(PHI)	Pest	Rate per 1 Gal. of Water to Cover 500 sq. ft. of Garden	Timing/Special Directions
Turnips (14) (roots & tops)	Aphids, Flea beetles, Leafhoppers, Imported cabbageworms, Dipterous leafminers ¹	1 tsp.	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.
	Cutworms (surface, subterranean)	6 Tbs.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
¹ NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.			

STORAGE & DISPOSAL

STORAGE: Store in original container in an area inaccessible to children and pets. If product freezes, place container in a warm area (68°F or above) inaccessible to children or pets and allow to thaw. Shake well before using.

DISPOSAL: To avoid harming aquatic organisms in rivers and other surface waters, do not pour the concentrate, spray mixture, or rinse water into sanitary drains (e.g., toilets and sinks) or storm water sewers (e.g., street drains). Triple rinse the empty container, pour the rinse water into the sprayer and spray the treated area. 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. Do not reuse empty container; securely wrap it is several layers of newspaper and discard in trash.

NOTICE: Buyer assumes all risks of storage, use and handling of this material not in strict accordance with directions and cautions stated on this label (and in the accompanying booklet).

Distributed by
DRAGON CORPORATION
 Roanoke, VA 24019

VERSION B [text "lined-out" format]

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: DRAGON Diazinon Water-based Concentrate must be diluted with water before application. To avoid having spray mixture left over, mix only the amount needed. This product kills many outdoor pests which damage lawns, roses, flowers, trees, shrubs, vegetables and fruits, and insects which annoy pets and people.

NOTE: 1. Do not use inside the home.

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2. Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since plant 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 and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.
- Step 2:** Use clean sprayer. Carefully measure and mix the amount of Dragon Diazinon Water-based Concentrate and water as suggested in the rate chart.
- Step 3:** Spray as directed in rate chart. Thorough coverage is important. 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.
- Step 4:** Flush sprayer with clean water after each use.

MEASUREMENT CONVERSIONS:

- 1 tablespoon (Tbs.) = 3 teaspoons (tsp.)
- 1 fl. oz. = 6 tsp. or 2 Tbs.
- 6 fl. oz. = 3/4 cup
- 1 1/2 Tbs. in 3 gals. of water = 1 1/2 tsp. in 1 gal. of water
- 2 Tbs. in 3 gals. of water = 2 tsp. in 1 gal. of water

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, Blueberries, 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, Rutabagas, Spinach, Turnips
- 21 days Apricots, Cabbage, Cherries, Nectarines, Peaches, Plums, Prunes
- 28 days Grapes
- 35 days Potatoes (Irish)
- 45 days Walnuts
- ~~** Almonds (one dormant spray only)~~

LAWN PEST CONTROL

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 ¼ inch of water immediately after spraying this product; however, stop watering before puddling occurs.

TO KILL: Lawn Chinch Bugs, Ants, Armyworms, Bermudagrass mites, Clover mites, Springtails (*Collembola*), Crickets, Cutworms, Digger wasps, Earwigs, Frit flies, Lawn billbugs, Leafhoppers, Sod webworms (Lawn moths), Sowbugs (Pillbugs), Brown dog ticks, Chiggers, Fleas, Hyperodes Weevil, Millipedes, Rhodesgrass scale, and White grubs of Japanese beetle, European chafer, Southern chafer.

Apply at the rate of 1½ Tbs. in 3 gals. of water to cover 125 sq. ft. (6 fl. oz. in 24 gals. of water to cover 1,000 sq. ft.). Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion and St. Augustinegrass. 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 tsp. in 3 gals. of water covers 125 sq. ft., or 4 fl. oz. in 24 gals. of water per 1,000 sq. ft. For ants and digger wasps, spot spray ant hills and wasp ground nest openings. For digger wasps, apply at dusk when wasps are not active. **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. For brown dog ticks spray grass and under shrubbery, particularly near house. **NOTE: DO NOT APPLY THIS PRODUCT TO ANIMALS.** For hyperodes weevil, treat problem areas in mid-April and again in mid-May. Water grass thoroughly after application. For rhodesgrass scale, apply when crawlers first emerge. For white grubs, apply any time between late July and early October. Water grass thoroughly after application.

NUISANCE PESTS OUTSIDE THE HOME

TO KILL: 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 gal. 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 hide. To prevent entry into houses, spray a 5-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.**

To aid in the control of Fire ants in home lawns and other outdoor home recreation areas, apply 2 Tbs. in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration reducing product effectiveness. **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, ROSES AND FLOWERS

Apply at the rate of 2 tsp. per gallon of water when listed pests first appear. Repeat as necessary. Apply as a

thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.

Trees and Shrubs - USE ON: Arborvitae, Azaleas, Birch, Boxwood, Camellias, Crabapple, Dogwood, Douglas fir, Elm, Euonymus, Hawthorn, Holly, Honey locust, Honeysuckle, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental plum, Poplar, Rhododendron, Scotch pine, Spirea, Spruce, Sycamore, Wax plant (Hoya), Willow, Yellowwood, Yew. **TO KILL:** Aphids, Apple-and-Thorn Skeletonizers, Bagworms, European pine sawfly, European pine shoot moths, Holly bud moths, Dipterous leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Hemlock chermes, Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European red, Privet, Two-spotted spider), Oak loopers, Oblique-banded leafrollers, Obscure root weevils, Omnivorous leaf tiers, Pear slugs, Scale crawlers (Cottoncushion, Euonymus, Lecanium, Pine needle, Pit, San Jose, Soft), Tent caterpillars, Webworms (Cotoneaster, Fall, Juniper, Mimosa), Whiteflies. For Mimosa webworms: apply when adults first appear. Make 2 additional applications at 4-5 week intervals. **Roses and Flowers - USE ON:** Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Lilies, Marigolds, Pansies, Petunias, Rhododendron, Roses. **TO KILL:** Aphids, Dipterous leafminers, Euonymus scale crawlers, Flea beetles, Leafhoppers, Mealybugs, Mites (Carnation bud, Carnation shoot, Cyclamen, European red, Two-spotted spider), Thrips, Whiteflies.

FRUITS AND NUTS

Apply at the rate of 2 tsp. per 1 gal. of water (for grapes, 1 1/2 tsp. per 1 gal. of water). 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 number of days to wait between last application and harvest of the crop [pre-harvest interval (PHI)] shown in parentheses for each crop, as well as intervals between applications and 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.

~~Almonds: San Jose scale, Parlatoria scale. Apply only as a dormant spray. Do not apply more than 6 gallons per 500 sq. ft. of home orchard. This product may be used on almonds in CA only. DO NOT use this product on almonds grown in other states.~~

Apricots (21): Aphids, Apricot mealybugs, Mites (Brown, Two-spotted spider), Scale crawlers (Olive, San Jose). Apply as a full cover spray. 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 (7): Aphids, Blueberry maggots, Cherry fruitworms, Cranberry fruitworms, Thrips, Two-spotted spider mites. 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.

Caneberries (7) e CA, OR, WA only: Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries. Aphids, Leafhoppers, Raspberry fruitworms, Two-spotted spider mites, Thrips. Apply as a full cover spray. 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. This product may be used on caneberries in CA, OR and WA only. DO NOT use this product on caneberries grown in other states.

Cherries (21): Black cherry aphids, Cherry fruitflies, Cherry fruitworms (Maggots), Fruitree leafrollers, Mites (Cherry rust), Scale crawlers (San Jose). Apply as a full cover spray. 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 (28): Aphids, Grape berry moths, Grape leafrollers, Leafhoppers. Apply at the rate of 1 1/2 tsp. in 1 gal. of water as a full cover spray. 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.

Nectarines (21): Aphids, Mites (Brown, Two-spotted spider), Scale Crawlers (Olive, San Jose). Apply as a full cover spray. 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.

Peaches (21): Aphids, Mites (Brown, Two-spotted spider), Scale crawlers (Olive, San Jose). Apply as a full cover spray. 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.

Plums and Prunes (21): Aphids (Leafcurl plum, Mealy plum, Thistle), Mites (Brown, European red). Apply as

a full cover spray. 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.

Strawberries (5): Aphids, Two-spotted spider mites, Strawberry leafrollers. Apply as a full cover spray. 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 (45): Aphids, Scale crawlers (Walnut, Italian pear, Frosted), Spider mites, Twig borers. Apply as a full cover spray. Do not apply more than 6 gallons 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 after husks open or split. This product may be used on walnuts in CA only. DO NOT use this product on walnuts grown in other states.

VEGETABLES

Mix **DRAGON** Diazinon Water-based Concentrate at the rates given below to cover 500 sq. ft. of garden. For application to the foliage, thoroughly spray all plant parts. For soil applications, you may need to mix the recommended amount of pesticide in more water to get even coverage. Application to the soil should be mixed into the soil immediately after application. Observe number of days to wait between last application and harvest of the crop [pre-harvest interval (PHI)] shown in parentheses for each crop, as well as intervals between applications and total number of applications that can be made per season. Do not apply to food crops grown in greenhouses.

Beans (7) – Lima, Pole and Snap (succulent varieties only)– *Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mite:* Mix 1 tsp. in 1 gal. of water. Repeat application every 5 days, up to 3 applications per season. NOTE: 1. DO NOT apply this product to dried bean varieties such as pinto beans or dried limas. 2. To protect bees, DO NOT apply foliage treatments if the beans or weeds in the treatment area are in bloom. *Cutworms (surface, subterranean):* Mix 6 Tbs. in 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. *Mole Crickets:* Mix 2 Tbs. in 1 gal. of water. Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches. *Wireworms (snap beans only):* Mix 6 Tbs. in 1 gal. of water. Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

Beets, Red (table): *Cutworms (surface, subterranean):* Mix 6 Tbs. in 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. *Mole Crickets:* Mix 2 Tbs. in 1 gal. of water. Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches.

Broccoli (7), Cauliflower (7), Chinese Broccoli (10), Chinese Cabbage (Bok Choy and Napa) (10), Collards (10), Kale (10) : *Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers¹.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Cabbage (21): *Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers¹.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season. *Cutworms (surface, subterranean).* Mix 6 Tbs. in 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. *Root Maggots.* Mix 6 Tbs. in 1 gal. of water. Spray the soil evenly just before planting. Immediately work into soil 2-3 inches. *Wireworms.* Mix 6 Tbs. in 1 gal. of water. Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

Carrots (14): *Aphids, Flea beetles, Leafhoppers, Dipterous leafminers¹, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season. *Cutworms (surface, subterranean).* Mix 6 Tbs. in 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. *Mole Crickets.* Mix 2 Tbs. in 1 gal. of water. Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches. *Wireworms.* Mix 6 Tbs. in 1 gal. of water. Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

Corn - see Sweet Corn

Cucumbers (7): *Aphids, Thrips, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts.

Repeat application every 7 days, up to 5 applications per season.

Endive (Escarole) (14): *Aphids, Flea beetles, Leafhoppers, Dipterous leafminers¹, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Lettuce (14): *Aphids, Flea beetles, Leafhoppers, Dipterous leafminers¹, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season. *Cutworms (surface, subterranean).* Mix 6 Tbs. in 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. *Wireworms.* Mix 6 Tbs. in 1 gal. of water. Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

Melons (3) (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and hybrids of these) and Watermelons: *Aphids, Thrips, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Onions (14) (bulb and green): *Onion thrips.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Parsnips (14): *Aphids, Flea beetles, Leafhoppers, Dipterous leafminers¹, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat applications every 7 days, up to 5 applications per season.

Peas (7) (succulent only): *Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 5 days, up to 3 applications per season. NOTE: 1. DO NOT apply this product to dried pea varieties such as split peas or dried black-eyed peas. 2. To protect bees, DO NOT apply foliage treatments if peas or weeds in the treatment area are in bloom. *Cutworms (surface, subterranean).* Mix 6 Tbs. in 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. *Mole crickets.* Mix 2 Tbs. in 1 gal. of water. Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches. *Wireworms.* Mix 6 Tbs. in 1 gal. of water. Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

Peppers (5): *Aphids, Colorado potato beetles, Flea beetles, Leafhoppers.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Potatoes (35) (Irish): *Aphids, Flea beetles, Leafhoppers, Colorado potato beetles, Southern armyworms, Dipterous leafminers¹.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Radishes (14): *Aphids, Flea beetles, Leafhoppers, Imported cabbageworms, Dipterous leafminers¹.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 3 applications per season. *Cutworms (surface, subterranean).* Mix 6 Tbs. in 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.

Rutabagas (14): *Aphids, Flea beetles, Leafhoppers, Imported cabbageworms, Dipterous leafminers¹.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season. *Cutworms (surface, subterranean).* Mix 6 Tbs. in 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.

Spinach (14): *Aphids, Flea beetles, Leafhoppers, Dipterous leafminers¹, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Squash, summer (7): *Aphids, Thrips, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Squash, winter (3): *Aphids, Thrips, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season.

Sweet corn (7): *Aphids, Thrips, Flea beetles, Grasshoppers, Spider mites.* Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season. NOTE: To protect bees, do not apply to corn foliage during the pollen shed period. *Cutworms (surface, subterranean).* Mix 6 Tbs. in 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. *Mole crickets.* Mix 2 Tbs.

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in 1 gal. of water. Spray the soil evenly 1-2 days before planting. Immediately work into soil 1-2 inches. *Wireworms*. Mix 6 Tbs. in 1 gal. of water. Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

Tomatoes (1): *Aphids, Colorado potato beetles, Fall armyworms, Flea beetles, Leafhoppers, Southern armyworms, Vinegar flies (Drosophila spp.)*: Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season. *Cutworms (surface, subterranean)*. Mix 6 Tbs. in 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. *Wireworms*. Mix 6 Tbs. in 1 gal. of water. Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.

Turnips (14) (roots & tops): *Aphids, Flea beetles, Leafhoppers, Imported cabbageworms, Dipterous leafminers¹*. Mix 1 tsp. in 1 gal. of water. Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season. *Cutworms (surface, subterranean)*. Mix 6 Tbs. in 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.

¹NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

STORAGE & DISPOSAL

STORAGE: Store in original container in an area inaccessible to children and pets. If product freezes, place container in a warm area (68°F or above) inaccessible to children or pets and allow to thaw. Shake well before using.

DISPOSAL: To avoid harming aquatic organisms in rivers and other surface waters, do not pour the concentrate, spray mixture, or rinse water into sanitary drains (e.g., toilets and sinks) or storm water sewers (e.g., street drains). Triple rinse the empty container, pour the rinse water into the sprayer and spray the treated area. 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. Do not reuse empty container; securely wrap it in several layers of newspaper and discard in trash.

NOTICE: Buyer assumes all risks of storage, use and handling of this material not in strict accordance with directions and cautions stated on this label (and in the accompanying booklet).

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