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FEB - 6 1998

Ms. Rebecca Horton  
Dragon Corporation  
P.O. Box 7311  
Roanoke, VA 24019

Dear Ms. Horton:

Subject: Amendment - Revise Storage & Disposal text  
Dragon 25% Diazinon Spray  
EPA Registration Number 16-157  
Your submission dated September 23, 1997

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) Revise the front panel claim "...and many others" to "... and many others as listed in directions".
  - b) In the Environmental Hazards, revise "potential hazard to birds and waterfowls" to "potential hazards to birds and waterfowl". Also, revise the sentence beginning "For lawns" to read as follows "For lawns, where watering is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treatment 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."
  - c) Please capitalize the "F" of "Federal" in the first sentence under the heading DIRECTIONS FOR USE.

- d) Revise item 2 of the NOTE under GENERAL INFORMATION to read "Do not use inside the home.". In item 3, revise "since injury may occur" to "since plant injury may occur".
- e) In the MEASUREMENT CONVERSIONS table, add a period after the abbreviations "Tbs.", "gal." and "gals.". Also, revise "Tsp" to "tsp." (i.e., use a lowercase "t" and add a period).
- f) On page 4, after "Beans, Peas" revise "except dried variety)" to "(except dried varieties)".
- g) Throughout the tables in this label there are apparently random variations in the thickness of the horizontal lines in some columns or parts of columns. The Agency assumes this is a word processing glitch that will be corrected on the finished label.
- h) In the Lawn Pest Control Precautions, revise "May 21" to "May 20" and revise "Where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be..." to "Where watering is recommended in the directions, or if waterfowl (ducks or geese) can be...". [Note the deletion of several commas in the revised text.]
- i) Throughout the specific directions for use add a period after the abbreviations "Tbs.", "gal.", and "gals." and revise "Tsp" to "tsp.".
- j) Under the heading INSECT CONTROL ON ORNAMENTAL TREES, SHRUBS, ROSES AND FLOWERS, add "Spray when listed pests first appear. Repeat as necessary.". Also, consolidate the listing of pests (in correct alphabetical order into a single entry with a single set of directions (using the current Timing/Special directions for Aphids, etc. plus the specific remarks for Mimosa Webworm control. Revise the Rate column for all uses to "Rate per 1 Gal. of Water" and revise each of that column's entries to "2 tsp.". Please refer to the label for your companion product Dragon Diazinon Water Based Concentrate for an example of how the revised table for this section should appear.
- k) Under the FRUITS AND NUTS PHI table, in the footnote definition of PHI add "to wait" between "days" and "between".
- l) For FRUITS AND NUTS specific directions, revise all of the rates down to the common amount of 1 gallon of water, i.e., revise each entry "2 Tbs. per 3 gals. water" to read "2 tsp. per 1 gal. water" and revise each "4 Tsp. per 2 gals. water" to "2 tsp. per 1 gal. water". For Grapes, revise "4 1/2 Tsp.

per 3 gals. water" to "1 1/2 tsp. per 1 gal. water".

- m) For FRUITS AND NUTS specific directions, in the Timing/Special Directions revise "orchard" to "home orchard" wherever it appears, and revise "field" for Caneberries to "caneberry patch", "field" for Strawberries to "strawberry patch", and "vineyard" for Grapes to "home vineyard".
- n) Under the VEGETABLES PHI table, in the footnote definition of PHI add "to wait" between "days" and "between".
- o) In the VEGETABLES specific directions, revise the Rate for all foliar applications (eg., for control of aphids, etc.) from "2 Tbs. in 3 gals. of water to cover 1,000 sq. ft." to "1 tsp. in 1 gal. of water to cover 500 sq. ft.". Also, in the Timing/Special Directions for each of these uses add a comma between "days" and "up" in the "Repeat application..." sentence.
- p) In the VEGETABLES specific directions, for all soil applications (eg. cutworms, mole crickets, wireworms, and root maggots) revise the beginning of each Timing/Special Directions from "Broadcast to the soil" to "Spray the soil evenly".
- q) If the directions for Carrots on the finished label runs to another page, as on this submission, add "Carrots cont'd." in the Crop column.
- r) For the crop Lettuce, in the Crop column delete the extra horizontal line and "Lettuce cont'd.". . . . .
- s) For the crop Sweet Corn, in the Crop column delete the extra horizontal line and "Sweet corn cont'd.". Also, delete the second copy of the NOTE.
- t) If the directions for Turnips and Turnip Tops on the finished label runs to another page, as on this submission, add "Turnips and Turnip tops cont'd." in the Crop column.

3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section

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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.

Sincerely,

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

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FEB - 6 1998

**DRAGON®**  
**25% DIAZINON SPRAY**

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

16-157

*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.

Aids in control of fire ants.

Spray concentrate.

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

**THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS.  
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]	25%
<b>INERT INGREDIENTS*:</b>	75%
<b>TOTAL</b>	<b>100%</b>

\*Contains aromatic petroleum distillates.

**Keep Out of Reach of Children**

**CAUTION**

See back/side/other panel(s) for additional precautions.  
**NET CONTENTS 1 QT (32 FL OZ)/1 PT (16 FL OZ)/8 FL OZ**

**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 victim 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.

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**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 waterfowls. 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 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.

**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.**

[SEE ADDITIONAL USE PRECAUTIONS AND DIRECTIONS IN ATTACHED BOOKLET]

**GENERAL INFORMATION:** DRAGON 25% Diazinon 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. Dragon 25% Diazinon works fast and applications should be repeated only as directed to maintain control.

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

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**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 25% Diazinon and water as suggested in the rate chart.

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

See chart for complete list of use sites, crops and 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 (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, 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 Apricots, Cabbage, Cherries, Nectarines, Peaches, Plums, Prunes
- 28 days Grapes
- 35 days Potatoes (Irish)
- 45 days Walnuts
- \*\* Almonds (one dormant spray only)

+The following Problem Area/Pest table is only a partial listing of the pests controlled by this product. See (additional tables that follow/attached booklet) for complete directions for use and pests controlled.

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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><b>Vegetables: Foliar Application</b></p> <p>Beans, Peas (except dried variety)</p> <hr/> <p>Broccoli, Chinese broccoli, Cabbage, Chinese cabbage, Cauliflower, Collards, Kale</p> <hr/> <p>Endive (Escarole), Lettuce, Spinach</p> <hr/> <p>Peppers, Tomatoes</p> <hr/> <p>Onions (bulb and green)</p> <hr/> <p>Radishes, Turnips, Carrots, Parsnips, Potatoes</p> <hr/> <p>Sweet corn</p> <hr/> <p>Melons, Squash (summer, winter)</p>	<p>Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mites</p> <hr/> <p>Aphids, Flea beetles, Dipterous leafminers, Diamondback moths, Imported cabbageworms</p> <hr/> <p>Aphids, Flea beetles, Leafhoppers, Dipterous leafminers, Spider mites</p> <hr/> <p>Aphids, Colorado potato beetles, Fall armyworms (tomatoes), Flea beetles, Leafhoppers, Southern armyworms (tomatoes), Vinegar flies - <i>Drosophila spp.</i> (tomatoes)</p> <hr/> <p>Onion thrips</p> <hr/> <p>Aphids, Flea beetles, Leafhoppers, Dipterous leafminers, Colorado potato beetles (potatoes), Southern armyworms (potatoes)</p> <hr/> <p>Aphids, Flea beetles, Grasshoppers, Spider mites</p> <hr/> <p>Aphids, Thrips, Spider mites</p>
<p><b>Vegetables: Preplant Soil Application</b></p> <p>Beans, Peas (except dried varieties)</p> <hr/> <p>Beets, Red (table)</p> <hr/> <p>Cabbage</p> <hr/> <p>Carrots, Sweet Corn</p> <hr/> <p>Lettuce, Tomatoes</p> <hr/> <p>Radishes, Turnips</p>	<p>Cutworms, Mole crickets, Wireworms (snap beans)</p> <hr/> <p>Cutworms, Mole crickets</p> <hr/> <p>Cutworms, Root maggots, Wireworms</p> <hr/> <p>Cutworms, Mole crickets, Wireworms</p> <hr/> <p>Cutworms, Wireworms</p> <hr/> <p>Cutworms</p>
<p><b>Fruits &amp; Nuts</b></p> <p>Almonds (California only)</p>	<p>Scale crawlers</p>

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Problem Area	Pests+
Walnuts (California only)	Aphids, Scale crawlers, Spider mites and others+
Apricots, Peaches, Nectarines	Aphids, Apricot mealybugs (apricots), Spider mites, Scale crawlers
Cherries	Black cherry aphids, Cherry fruitflies, Cherry rust mites, Scale crawlers and others+
Plums, Prunes	Aphids, Spider mites
<b>Fruits &amp; Nuts (cont'd.)</b>	
Caneberries (CA, OR, WA only): Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Two-spotted spider mites, Thrips, Raspberry fruitworms
Strawberries	Aphids, Two-spotted spider mites, Strawberry leafrollers
Grapes	Aphids, Grape berry moths, Grape leafrollers, Leafhoppers
<b>Roses &amp; Flowers</b>	
Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Flea beetles, Dipterous leafminers, Leafhoppers, Mealybugs, Two-spotted spider mites, Thrips, Whiteflies and others+
<b>Ornamental Trees &amp; Shrubs</b>	
Arboretum, Azaleas, Birch, Boxwood, Camellias, Douglas fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Mites, Scale crawlers, Whiteflies, Tent caterpillars and others+

**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 21. 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 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), 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. Augustine grass.

To control pests listed below, apply recommended rates.

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LAWN PEST CONTROL			
Pests	Rate		Remarks
	Dragon 25% Diazinon	Water	
Lawn Chinch Bugs	1½ Tbs per 125 sq ft or 6 fl. oz. per 1,000 sq ft	3 gal  24 gal	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 gal  24 gal	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. <b>Billbug control:</b> 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	<b>NOTE: DO NOT APPLY THIS PRODUCT TO ANIMALS.</b>  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.
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.

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LAWN PEST CONTROL			
Pests	Rate		Remarks
	Dragon 25% Diazinon	Water	
White grubs of Japanese beetle, European chafer, Southern chafer	1½ Tbs per 125 sq ft	3 gals	Apply any time between late July and early October. Water grass thoroughly after application.
	or 6 fl. oz. per 1,000 sq ft	24 gals	

NUISANCE PESTS OUTSIDE THE HOME	
<p>Ants, Boxelder bugs, Brown dog ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (<i>Collembola</i>)</p>	<p>Mix 6 fl. oz. in 3 gals of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls, entranceways, walks, garbage cans, tree trunks and into cracks and other places where insects hide.</p> <p>To prevent entry into houses, spray a five-foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet. Repeat application as necessary.</p> <p><b>DO NOT treat animals with this product. DO NOT treat plants (other than tree trunks) at this nuisance pest rate.</b></p>
<p>Fire Ants</p>	<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><b>NOTE:</b> 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>

INSECT CONTROL ON ORNAMENTAL TREES, SHRUBS, ROSES AND FLOWERS			
Plants	Insects	Rate per 3 Gal of Water	Timing/ Special Directions
<p>Trees and Shrubs Arborvitae, Azaleas, Birch, Boxwood, Camellias, Douglas fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental plum, Poplar, Rhododendron, Spruce, Willow</p>	<p>Aphids, Bagworms, European pine shoot moths, Holly bud moths, Dipterous leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European red, Privet, Two-spotted spider), Obscure root weevils, Omnivorous leaf tiers, Scale crawlers (Cottonycushion, Euonymus, Lecanium, Pine needle, Pit, San Jose, Soft)</p>	<p>2 Tbs</p>	<p>Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.</p>
	<p>Webworms (Juniper, Mimosa), Whiteflies</p>	<p>2 Tbs</p>	<p>Apply as a thorough foliar spray. <b>Mimosa Webworms:</b> Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.</p>

INSECT CONTROL ON ORNAMENTAL TREES, SHRUBS, ROSES AND FLOWERS			
Plants	Insects	Rate per 3 Gal of Water	Timing/ Special Directions
Trees and Shrubs-cont'd. Arborvitae, Azaleas, Birch, Boxwood, Camellias, Douglas fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental plum, Poplar, Rhododendron, Spruce, Willow	Apple-and-Thorn skeletonizers, Hemlock chermes, Oak loopers, Obliquebanded leafrollers, Pear slugs, Tent caterpillars, Webworms, (Cotoneaster, Fall)	2 Tbs	Apply as a thorough foliar spray.
Roses and Flowers Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Euonymus scale crawlers, Flea beetles, Dipterous leafminers, Leafhoppers, Mealybugs, Mites (Carnation bud, Carnation shoot, Cyclamen, European red, Two-spotted spider), Thrips, Whiteflies	2 Tbs	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*	Crop	PHI*
Almonds	**	Nectarines	21
Apricots	21	Peaches	21
Blackberries	7	Plums	21
Boysenberries	7	Prunes	21
Cherries	21	Raspberries	7
Dewberries	7	Strawberries	5
Grapes	28	Walnuts	45
Loganberries	7		

\*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.

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FRUITS AND NUTS			
Crop	Pest	Rate	Timing/Special Directions
Almonds (CA only)	San Jose scale, Parlatoria scale	2 Tbs. per 3 gals. water	Apply only as a dormant spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. This product may be used on almonds only in CA. DO NOT use this product on almonds grown in other states.
Apricots	Aphids, Apricot mealybugs, Mites (Brown, Two-spotted spider), Scale crawlers (Olive, San Jose)	4 Tsp. per 2 gals. water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Caneberries (CA, OR, WA only): Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Raspberry fruitworms, Two-spotted spider mites, Thrips	2 Tbs. per 3 gals. water	Apply as a full cover spray. Do not apply more than 5 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 caneberries only in CA, OR and WA. DO NOT use this product on caneberries grown in other states.
Cherries	Black cherry aphids, Cherry fruitflies, Cherry fruitworms (Maggots), Fruitree leafrollers, Mites (Cherry rust), Scale crawlers (San Jose)	4 Tsp. per 2 gals. water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 21 days of harvest.
Grapes	Aphids, Leafhoppers, Grape berry moths, Grape leafrollers	4½ Tsp. per 3 gals. 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 applications per season a minimum of 7 days apart. Do not apply within 28 days of harvest.
Nectarines	Aphids, Mites (Brown, Two-spotted spider), Scale Crawlers (Olive, San Jose)	4 Tsp. per 2 gals. water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.

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FRUITS AND NUTS			
Crop	Pest	Rate	Timing/Special Directions
Peaches	Aphids, Mites (Brown, Two-spotted spider), Scale crawlers (Olive, San Jose)	4 Tsp. per 2 gals. water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Plums and Prunes	Aphids (Leafcurl plum, Mealy plum, Thistle), Mites (Brown, European red)	4 Tsp. per 2 gals. water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 21 days of harvest.
Strawberries	Aphids, Two-spotted spider mites, Strawberry leafrollers	2 Tbs. per 3 gals. water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of field. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 5 days of harvest.
Walnuts (CA only)	Aphids, Scale crawlers (Walnut, Italian pear, Frosted), Spider mites, Twig borers	2 Tbs. per 3 gals. water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per season 14 days apart. Do not apply after husks open or split. Do not apply within 45 days of harvest. This product may be used on walnuts only in CA. DO NOT use this product on walnuts grown in other states.

**VEGETABLES**

For foliar or soil applications. DRAGON® 25% Diazinon 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.

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**Pre-Harvest Interval (PHI\*) for Foliar Applications**

Crop	PHI* (Days)	Crop	PHI* (Days)	Crop	PHI* (Days)	Crop	PHI* (Days)
Beans <sup>1</sup>	7	Cauliflower	7	Kale	10	Radishes	14
(succulent varieties only: Lima, Pole & Snap)		Chinese Broccoli	10	Lettuce	14	Spinach	14
Broccoli	7	Chinese Cabbage	10	Muskmelons	3	Squash, Summer	7
Cabbage	21	Collards	10	Onions-bulb & green	14	Squash, Winter	3
Cantaloupes	3	Crenshaws	3	Parsnips	14	Sweet Corn	7
Carrots	14	Cucumbers	7	Peas <sup>1</sup>	7	Tomatoes	1
Casabas	3	Endive (Escarole)	14	Peppers	5	Turnips-roots & tops	14
		Honeydew Melons	3	Potatoes (Irish)	35	Watermelons	3

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

<sup>1</sup>DO NOT use this product on dried pea or bean varieties such as pinto beans, dried limas, split peas or dried black-eyed peas.

<b>VEGETABLES</b>			
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/Special Directions
Beans – Lima, Pole and Snap (succulent varieties only)	Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. DO NOT apply within 7 days of harvest.
NOTE: (1) DO NOT apply this product to dried bean varieties such as pinto beans or dried limas. (2) To protect	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. 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 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms (snap beans only)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Beets, Red (table)	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

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**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/Special Directions
Beets, Red (table) - cont'd.	Mole Crickets	2 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
Broccoli	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 7 days of harvest.
Cabbage	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 21 days of harvest.
	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. 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 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches.
	Wireworms	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Carrots	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers <sup>1</sup> , Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 14 days of harvest.
	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. 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 Tbs. per 500 sq. ft. in a minimum of 1½ gals water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.

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**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/Special Directions
	Wireworms	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Cauliflower	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 7 days of harvest.
Chinese Broccoli	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous Leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 10 days of harvest.
Chinese Cabbage (Bok Choy and Napa)	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 10 days of harvest.
Collards	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 10 days of harvest.
Corn - see Sweet Corn			
Cucumbers	Aphids, Thrips, Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 7 days of harvest.
Endive (Escarole)	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers <sup>1</sup> , Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 14 days of harvest.
Kale	Aphids, Diamondback moths, Flea beetles, Imported cabbageworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 10 days of harvest.

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**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/Special Directions
Lettuce	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers <sup>1</sup> , Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 14 days of harvest.
	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
Lettuce cont'd.	Wireworms	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and hybrids of these) and Watermelons	Aphids, Thrips, Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 3 days of harvest.
Onions (bulb and green)	Onion thrips	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 14 days of harvest.
Parsnips	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers <sup>1</sup> , Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. DO NOT apply within 14 days of harvest.
Peas (succulent only)  NOTE: (1) DO NOT apply this product to dried pea varieties such as split peas or	Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Allow at least 7 days between the last application and harvest.
	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

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**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/Special Directions
dried black-eyed peas. (2) To protect bees, DO NOT	Mole crickets	2 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
apply foliage treatments if peas or weeds in the treatment area are in bloom.	Wireworms	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Peppers	Aphids, Colorado potato beetles, Flea beetles, Leafhoppers	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 5 days of harvest.
Potatoes	Aphids, Flea beetles, Leafhoppers, Colorado potato beetles, Southern armyworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 35 days of harvest.
Radishes	Aphids, Flea beetles, Leafhoppers, Imported cabbageworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications per season. DO NOT apply within 14 days of harvest.
	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
Spinach	Aphids, Flea beetles, Leafhoppers, Dipterous leafminers <sup>1</sup> , Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 14 days of harvest.
Squash, summer	Aphids, Thrips, Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 7 days of harvest.
Squash, winter	Aphids, Thrips, Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 3 days of harvest.

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**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/Special Directions
Sweet corn  NOTE: To protect bees, do not apply to corn foliage during the pollen shed period.	Aphids, Thrips, Flea beetles, Grasshoppers, Spider mites	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Corn may be picked 7 days following last application.
	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
Sweet corn cont'd.  NOTE: To protect bees, do not apply to corn foliage during the pollen shed period.	Mole crickets	2 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Tomatoes	Aphids, Colorado potato beetles, Fall armyworms, Flea beetles, Leafhoppers, Southern armyworms, Vinegar flies ( <i>Drosophila spp.</i> )	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 1 day of harvest.
	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Wireworms	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Turnips and Turnip tops	Aphids, Flea beetles, Leafhoppers, Imported cabbageworms, Dipterous leafminers <sup>1</sup>	2 Tbs. in 3 gals. of water to cover 1,000 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. DO NOT apply within 14 days of harvest.

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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/Special Directions
	Cutworms (surface, subterranean)	6 Tbs. per 500 sq. ft. in a minimum of 1½ gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

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

**STORAGE & 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:** 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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