

PM 03

4-191

10/7/97

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OCT -7 1997

Ms. Anne Montalone
Bonide Products, Inc.
2 Wurz Avenue
Yorkville, NY 13495

Dear Ms. Montalone:

Subject: Amendment - Revise Storage & Disposal text
Lawn and Garden Insect Control with Diazinon 25% EC
EPA Registration Number 4-191
Your submission dated August 21, 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) On the container label, revise the claim "...and many others" to "... and many others as listed in directions".
 - b) The Agency believes that the booklet for this and other diazinon products no longer is found under the cap, but appears instead as a booklet attached by other means. Assuming that is true for your product also, revise container label references to "see booklet under cap" to read "see attached booklet".
 - c) Please capitalize the "F" of "Federal" in the first sentence under the heading DIRECTIONS FOR USE.
 - d) In the container label PHI table, please revise the single asterisk for almonds to ** and revise the crop entry to read almonds (** one dormant spray only). This is necessary to

prevent user confusion regarding the single asterisked "footnote" that appears at the beginning of the PROBLEM AREA/PEST table that appears next on the label.

- e) On both the container label and in the booklet, in the Environmental Hazards, 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."
- f) Also in the Environmental Hazards, replace "Do not apply directly to water, to areas surface water is present, or to intertidal areas below the mean high water mark." with just "Do not apply directly to water."
- g) In the booklet, revise the claim "...and many others" to "...and many others as listed in the directions". Also, the pages of the booklet appear to be numbered incorrectly, page "3" is actually page 2, and page "2" is actually page 3.
- h) In the booklet, under the heading General Information in item 3 of the Notes, revise "since injury may occur" to "since plant injury may occur".
- i) In the Lawn Pest Control Precautions, revise the sentence beginning "where irrigation" to read "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."
- j) In the Lawn Pest Control table, in the Rate column heading replace "D.z.n" with the name of your product or with "This product".
- k) Under the heading **Insect Control on Ornamental Trees, Shrubs, 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.
- l) Under the Fruits and Nuts PHI table, in the footnote definition of PHI add "to wait" between "days" and "between".

- m) 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 tablespoons in 3 gallons of water" to read "2 teaspoons in 1 gallon of water" and revise each "4 teaspoons in 2 gallons of water" to "2 teaspoons in 1 gallon of water". For grapes, revise "4 1/2 teaspoons in 3 gallons of water" to "1 1/2 teaspoons in 1 gallon of water".
 - n) 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".
 - o) Under the Vegetables PHI table, in the footnote definition of PHI add "to wait" between "days" and "between".
 - p) In the Vegetables specific directions, revise the rate for all foliar applications (eg., for control of aphids, etc.) from "2 tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden" to "1 teaspoon in 1 gallon of water to cover 500 sq. ft. of garden".
 - q) 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".
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 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)

LAWN AND GARDEN INSECT CONTROL
w/DIAZINON® 25% EC

Lawn & Garden Insect Control w/DIAZINON® 25% EC

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

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

Spray concentrate. Contains diazinon insecticide.

Active Ingredient:	
Diazinon: O, O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	25.0%
Inert Ingredients*:	75.0%
Total:	100.0%

* Contains aromatic petroleum distillates.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See side panel for additional precautionary statements.

EPA Reg. No. 4-191

Protects
Lawns
Vegetables
Fruits and Nuts
Roses, Flowers
Trees, Shrubs

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

¹Aids in control

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

One Pint
Net Contents

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT -7 1997

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

4-191

Container
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DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

General Information

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

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

Notes:

Do not use in the home. Do not use on ferns, poinsettia, hibiscus, papaya, pinea, gardenia or orchids since plant injury may occur. Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. Do not apply to food crops grown in greenhouses.

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

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

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

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

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

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Peppers. Tomatoes	Aphids, Colorado Potato Beetles, Fall Armyworms (Tomatoes), Flea Beetles, Leafhoppers, Southern Armyworms (Tomatoes), Vinegar Flies - <i>Drosophila</i> spp. (Tomatoes)
Onions (Bulb and Green)	Onion Thrips
Radishes. Turnips. Carrots. Parsnips. Potatoes	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Colorado Potato Beetles (Potatoes), Southern Armyworms (Potatoes)
Sweet Corn	Aphids, Flea Beetles, Grasshoppers, Spider Mites
Melons. Squash (Summer, Winter)	Aphids, Thrips, Spider Mites
Vegetables: Preplant Soil Application:	
Beans, Peas (except dried varieties)	Cutworms, Mole Crickets, Wireworms (Snap Beans)
Beets, Red (Table)	Cutworms, Mole Crickets
Cabbage	Cutworms, Root Maggots, Wireworms
Carrots. Sweet Corn	Cutworms, Mole Crickets, Wireworms
Lettuce. Tomatoes	Cutworms, Wireworms
Radishes. Turnips	Cutworms
Fruits & Nuts	
Almonds (California only)	Scale Crawlers
Walnuts (California only)	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
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
Roses & Flowers	
Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Two-spotted Spider Mites, Thrips, Whiteflies and others*

Ornamental Trees & Shrubs

- Arborvitae. Aphids, Mites, Scale Crawlers, Whiteflies, Tent Caterpillars and others
- Azaleas, Birch.
- Boxwood, Camellias.
- Douglas Fir, Elm.
- Hawthorn Holly.
- Juniper, Lilac.
- Locust, Maple.
- Mimosa, Oak, Pine.
- Ornamental Plum.
- Poolar.
- Rhododendron.
- Soruce, Willow

Storage and Disposal

Storage—Do not store near heat or open flame. Store in original container in an area inaccessible to children or pets.

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. (for example, toilets and sinks) or storm water sewers (for example, street drains). Triple rinse the empty container, pour the rinse water into the sprayer and spray 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.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye injury. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

Statement of Practical Treatment

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

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

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

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

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

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

Environmental Hazards

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply at least 1/4 inch of water immediately after spraying this product, however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

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