



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
4-411

Date of Issuance:  
AUG 26 1998

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:  
Bonide Diazinon  
Insect Control  
Ready to Use

Name and Address of Registrant (include ZIP Code):

Bonide Products, Inc.  
c/o Adams Technology Systems  
5145 Forest Run Trace - Suite B  
Alpharetta, GA 30022-4504

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Add the phrase "EPA Reg. No. 4-411".
  - b. On the front panel claims, add "as listed in directions" after "and many others".

Signature of Approving Official:

Date:  
AUG 26 1998

page 2 of 2  
EPA Reg. No. 4-411

- c. In the NOTES on page 2, revise "since injury may occur" to "since plant injury may occur".
- d. Revise the DISPOSAL text to read as follows:

**DISPOSAL:** To avoid harming aquatic organisms in rivers and other surface waters, do not pour this product into sanitary drains (for example, toilets, floor drains, and sinks) or into storm water sewers (for example, street drains). Do not reuse empty container. Make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

- e. Be sure to meet type size requirements for elements of the label with minimum type size requirements.
3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.
4. Within 90 days, submit a slightly revised CSF showing an upper Certified Limit for O,S-TEPP at  $1.3 \times 10^{-5}$  and TEPP at  $3.3 \times 10^{-5}$ . While the current declaration at 0.0000 is technically correct as far as it goes, this could be interpreted to mean that absolutely none would be present, which is not correct. Please confirm the Agency's calculated values with Norvartis before submitting the revised CSF.

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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

AUG 26 1998

**Label for 32 oz. Container**

*Adjust Coverage area for other sizes!*

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
4-411

- \*Ready-To-Use
- \*Convenient, Pre-Measured, No Guess Work
- \*No Mixing, No Mess, No Touch

**Bonide Diazinon Insect Control Ready to use**

- A Water-Based Ready-To-Use Spray that contains Diazinon Insecticide.
- Controls: Ants, Aphids, Chinch Bugs, Cutworms, Flea Beetles, Grubs, Mites, Sod Webworms and many others.
- Protects: Lawns, Fruits and Nuts, Roses, Flowers, Trees, Shrubs.
- Easy to Apply to Lawn or Garden
- This Product must Not Be Used on Golf Courses and Sod Farms.
- For Outdoor Use on the Home Lawn and the Home Garden Only.

**ACTIVE INGREDIENT:**

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)	
phosphorothioate .....	0.058%

<b>INERT INGREDIENTS:</b> .....	99.942%
TOTAL	100.000%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
 See Back Panel for Precautionary Statements

Manufactured by:  
**Bonide Products, Inc.**  
 2 Wurz Avenue • Yorkville NY 13495

EPA EST #4-NY-1

EPA REG #4-

Net Contents 32 fl. oz.

# Label for 32 oz. Container

*Adjust Coverage area for other sizes!*

## 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

This is a water-based ready-to-use product which must be shaken before application.

This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, 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. This product works fast and application should be repeated only as directed to maintain control.

**NOTES:** Do not use inside the home. Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since injury may occur. Do not apply to food crops grown in greenhouses.

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

## HOW TO APPLY

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

**Step #2: Spray as directed in rate chart.** Thorough coverage is important. Provide enough spray coverage to reach the top of mature trees or limit use to small trees, dwarf trees and container grown trees. **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.



# Label for 32 oz. Container

Adjust Coverage area for other sizes!

## 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 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs.

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion and St. Augustine grass.

To control pests listed below, apply recommended rates:

PESTS	RATE	REMARKS
Lawn Chinch Bugs	32 oz. per 12.5 sq. ft.	Thoroughly wet grass a few hours before applying.
Ants, Armyworms, Bermudagrass Mites, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs)	32 oz. per 12.5 sq. ft.	Thoroughly wet 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	32 oz. per 12.5 sq. ft.	NOTE: Do not apply this product to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Hyperodes Weevil	32 oz. per 12.5 sq. ft.	Treat problem areas in mid-April and again in mid-May. Water grass thoroughly after application.
Millipedes	32 oz. per 12.5 sq. ft.	Thoroughly wet grass a few hours before applying
Rhodesgrass Scales	32 oz. per 12.5 sq. ft.	Apply when crawlers first emerge.
White Grubs of Japanese Beetle, European Chafer, Southern Chafer	32 oz. per 12.5 sq. ft.	Apply any time between late July and early October. Water grass thoroughly after application.

# Label for 32 oz. Container

Adjust Coverage area for other sizes!

Spray Pests Listed Below When They First Appear. Repeat as Necessary.

INSECT CONTROL ON ORNAMENTAL TREES, SHRUBS AND FLOWERS		
TREES & SHRUBS	INSECTS	TIMING/SPECIAL DIRECTIONS
Arborvitae, Azalea, Birch, Boxwood, Camellia, Crab Apple, 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 Leafhoppers, Pear Slugs, Scale Crawlers (Cottony cushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose, Soft), Tent Caterpillars, Webworms (Cotoneaster, Fall, Juniper, Mimosa), Whiteflies.	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.  Mimosa Webworms: apply when adults first appear. Make two additional applications at 4-5 week intervals.

INSECT CONTROL ON ORNAMENTAL TREES, SHRUBS AND FLOWERS		
ROSES & FLOWERS	INSECTS	TIMING/SPECIAL DIRECTIONS
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 Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.



### Label for 32 oz. Container

Adjust Coverage Area for other sizes!

#### 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.

<b>CROP PRE-HARVEST INTERVAL</b> or the Number of Days to Wait Between the Last Application and Harvest	
Almonds	Dormant Spray Only
Apples	21 days
Apricots	21 days
Blackberries	7 days
Blueberries	7 days
Boysenberries	7 days
Cherries	21 days
Cowberries	7 days
Loganberries	7 days
Nectarines	21 days
Peaches	21 days
Pears	21 days
Plums	21 days
Prunes	21 days
Raspberries	7 days
Strawberries	5 days
Walnuts	45 days

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

## Label for 32 oz. Container

Adjust Coverage area for other sizes!

FRUITS AND NUTS		
CROP	PEST	TIMING/SPECIAL DIRECTIONS
Almonds (CA only)	San Jose Scale, Parlatoria Scale	Apply only as a dormant spray. Do not apply more than 32 oz. per 20.8 sq. ft. of home orchard.  This product may be used on almonds only in CA. Do not use this product on almonds grown in other states.
Apples	Aphids, Apple maggots, Codling moths, Eyespotted budmoths, Fruit Tree Leafrollers, Leafhoppers, Mealybugs, Scale Crawlers (San Jose Forbes), Spider Mites	Apply as full cover spray. Do not apply more than 32 oz. per 31.2 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.  <b>NOTE:</b> Resistant apple maggots may not be controlled by diazinon or similar type insecticides.
Apricots	Aphids, Apricot Mealybugs, Mites (Brown, Two-spotted Spider), Scale Crawlers (Olive, San Jose)	Apply as a full cover spray. Do not apply more than 32 oz. per 31.2 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Blueberries	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 32 oz. per 31.2 sq. ft. of blueberry patch. Do not make more than 2 applications per season.  Allow a minimum of 7 days between the last application and harvest.
Caneberries (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 32 oz. per 25 sq. ft. of caneberry patch. 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 Fruit flies, Cherry Fruitworms (Maggots), Fruitree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	Apply as a full cover spray. Do not apply more than 32 oz. per 31.2 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 21 days of harvest.
Nectarines	Aphids, Mites (Brown, Two-spotted Spider), Scale Crawlers (Olive, San Jose)	Apply as a full cover spray Do not apply more than 32 oz. per 31.2 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Peaches	Aphids, Mites (Brown, Two-spotted Spider), Scale Crawlers (Olive, San Jose)	Apply as a full cover spray Do not apply more than 32 oz. per 31.2 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.



### Label for 32 oz. Container

Adjust Coverage area for other sizes!

FRUITS AND NUTS		
CROP	PEST	TIMING/SPECIAL DIRECTIONS
Pears	Aphids, Apple maggots, Codling moths, Mealybugs, Scale crawlers (San Jose, Forbes), Spider Mites, Tentiform Leafminers Pear Psylla	Apply as a full cover spray Do not apply more than 32 oz. per 31.2 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.  NOTE: Resistant apple maggots will not be controlled by diazinon or similar type insecticides.
Plums & Prunes	Aphids (Leafcurl Plum, Mealy Plum, Thistle), Mites (Brown, European Red)	Apply as a full cover spray Do not apply more than 32 oz. per 31.2 sq. ft. of home 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	Apply as a full cover spray Do not apply more than 32 oz. per 41.6 sq. ft. of strawberry patch. 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	Apply as a full cover spray Do not apply more than 32 oz. per 20.8 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. 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.

**Label for 32 oz. Container**

*Adjust Coverage area for other sizes!*

**STORAGE AND DISPOSAL**

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

**DISPOSAL:** Do not reuse container. Wrap and place in trash.

**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.

**STATEMENT OF PRACTICAL TREATMENT**

**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 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment 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.