

*Yellow*

*656/177358*  
*17/5*

Mr. James J. Wurz  
Bonide Chemical Company, Inc.  
2 Wurz Avenue  
Yorkville, NY 13495

Dear Mr. Wurz:

Subject: Amendment - Reregistration of Products Containing  
Disulfoton  
Bonide Systemic Granules Containing DiSyston  
~~EPA~~ Registration No. 4-153  
Bonide Systemic Granules 1%  
EPA Registration No. 4-253  
Your Applications Dated July 11, 1986

The amendments referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable provided that you make the labeling changes indicated below prior to release for shipment of product bearing the amended labeling.

1. The common name "Disulfoton" should precede the chemical name in the ingredients statements.

2. Delete "ANTIDOTE: Atropine is antidotal" and replace with the following under the statement of practical treatment:

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

3. The If In Eyes statement should read "Flush eyes with plenty of water. Call a Physician if irritation persists."

4. Update the Environmental Hazards statement by changing "by cleaning of equipment or disposal of wastes" to "when disposing of equipment washwaters."

5. Under the "Amount to Use" on the last page of the labeling from product 4-153 only, you have doubled the amount used when you should have halved them. The amounts should read:

IN THE SEED FURROW: Apply 3 oz. per 50 feet, etc.  
IN THE TRANSPLANT HOLE: Apply 1 rounded teaspoon, etc.  
IN THE SEED FURROW (potatoes): Apply 6 oz. per 50 ft.

*Handwritten*

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The submitted Confidential Statement of Formula (CSF) is acceptable and has been made a part of the record for this product.

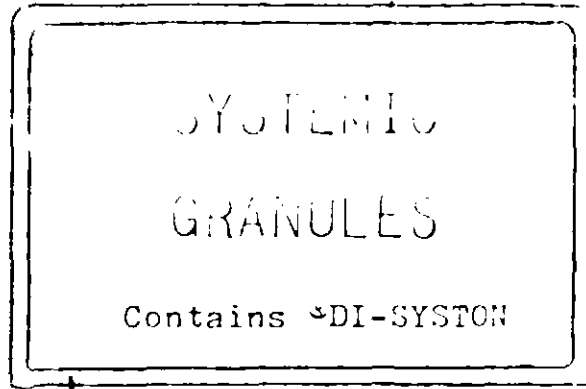
Submit five (5) copies of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca  
Product Manager 15  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

BONIDE\*



SYSTEMIC INSECTICIDE KILLS CERTAIN INSECTS  
ON ROSES, SHRUBS, FLOWERS, HOUSEPLANTS,  
VEGETABLES

EPA Est. 4-NY-1

EPA Reg. No. 4-153

ACTIVE INGREDIENT:

<i>Disulfoten</i>	O,C-Diethyl S-[2-(ethylthio)ethyl]	
	phosphorodithioate*	2%
	INERT INGREDIENTS:	98%

DI-SYSTON is a Reg. T.M. of the parent company of  
Farbenfabriken Fayer GmbH, Leverkusen.

KEEP OUT OF REACH OF CHILDREN

WARNING

See back panel for additional warnings.

NET WEIGHT

EPA Reg. No. 4-153

BONIDE SYSTEMIC GRANULES contains Di-Syston, EPA Reg. No. 4-153

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS - WARNING

Poisoning may occur as a result of exposure. Wear rubber gloves. May be fatal if swallowed, inhaled or absorbed through skin. Rapidly absorbed through skin. Do not get in eyes. Do not contaminate feed or food. Keep children and pets away from treated area until product is worked and watered into soil and treated area is completely dry.

**ANTIDOTE:** Atropine is antidotal.

STATEMENT OF PRACTICAL TREATMENT

In case of poisoning, call a physician immediately. Have patient lie down and keep quiet.

If swallowed - administer milk or water freely and induce vomiting by giving one dose ( $\frac{1}{2}$  oz. or 15 ml) of syrup of ipecac. If vomiting does not occur within 30 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Professional medical assistance should be secured immediately.

If on skin - remove contaminated clothing and wash skin immediately with soap and water.

If eyes are contaminated - wash with flowing water for at least 15 minutes.

ENVIRONMENTAL HAZARD

This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Birds and other wildlife in treated areas may be killed. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Store in a cool, dry place, and in an area inaccessible to children or pets. Do not reuse container. Wrap securely in paper and place in trash.

**RESTRICTION:** Do not apply broadcast applications to lawns.

BONIDE SYSTEMIC GRANULES contains Di-Syston, EPA Reg. No. 4-153

## HOW INSECTS ARE KILLED:

Protects plants, such as roses, chrysanthemums, azaleas, pyracantha, spirea, birch, ornamental herbaceous plants (houseplants), and other flowers and shrubs from damage by aphids, lace bugs, leafhoppers, leaf miners, mealy bugs, scale, spider mites, thrips, and whiteflies.

SYSTEMIC GRANULES enter a plant through its roots (systemic action) and then moves to all parts of the plant through natural growth and sap flow. Working from inside of the plant, it kills sucking insects that feed on the plant.

## HOW TO USE:

Apply the ready-to-use granules uniformly (see Recommended Applications) to the soil around the base of the plant. Mix the granules into the top soil, then water. The chemical, released from the granules, will leach into the root zone and be absorbed into the plant. The granules can also be scattered over planting beds and mixed into the top soil before sowing seed or setting bulbs or transplants. Additional applications of SYSTEMIC GRANULES can be made as needed to maintain insect control after the plants start to grow.

## RECOMMENDED APPLICATIONS

FOR FLOWERS & HERBACEOUS HOUSEPLANTS	TO CONTROL	AMOUNT TO USE
<ul style="list-style-type: none"> <li>Aster</li> <li>Ageratum</li> <li>Calendula</li> <li>Carnation</li> <li>Chrysanthemum</li> <li>Dahlia</li> <li>Delphinium</li> <li>Easter Lily</li> <li>Marigolds</li> <li>Morning Glory</li> <li>Pansy</li> <li>Petunia</li> <li>Zinnia</li> </ul>	<ul style="list-style-type: none"> <li>Aphids (plant lice)</li> <li>Lace bug</li> <li>Leafhoppers</li> <li>Mealy bugs</li> <li>Scale</li> <li>Spider Mites</li> <li>Thrips</li> <li>Whiteflies</li> </ul>	<p><b>BEFORE PLANTING:</b> Apply 16 ounces per 100 square feet (5 x 20 ft.) and work into soil. Sow seed or set plants in normal manner and water thoroughly.</p> <p><b>GROWING PLANTS:</b> For Individual Plants: Apply 1 level teaspoonful around base of plant, work into soil and water thoroughly.</p> <p><b>FOR FLOWERS IN A ROW:</b> Apply 2 ounces to each 6 feet of row, in a narrow band near base of plants. Work into top soil and water thoroughly. Repeat application at 4-to-6-week intervals if insects reappear.</p> <p><b>POTTED PLANTS:</b> Apply one level teaspoonful per 6 inch pot. Mix thoroughly into top soil and drench with water.</p>
FOR SHRUBS	TO CONTROL	AMOUNT TO USE
<ul style="list-style-type: none"> <li>Azalea</li> <li>Birch</li> <li>Camellia</li> <li>Euonymus</li> <li>Moraine locust</li> <li>Pine</li> <li>Pyracantha</li> <li>Rhododendron</li> <li>Roses</li> <li>Spiraea</li> <li>Yew</li> </ul>	<ul style="list-style-type: none"> <li>Aphids (plant lice)</li> <li>Birch leaf miner</li> <li>Lace bug</li> <li>Mealy Bugs → Leafhoppers</li> <li>Mimosa webworm</li> <li>Spider mites</li> <li>Pine tip moth</li> <li>Thrips</li> <li>Whiteflies</li> <li>Scale</li> <li>Camelia</li> <li>Sor</li> <li>Tea</li> </ul>	<ul style="list-style-type: none"> <li>Shrubs 1-3 ft. tall, 1 oz. per foot of height.</li> <li>Shrubs 3-6 ft. tall, 2 ozs. per foot of height.</li> <li>Shrubs 6-12 ft. tall, 3 ozs. per foot of height.</li> <li>Apply granules uniformly over the area under the shrub canopy, work into soil and water thoroughly. Repeat application at 4 to 6 week intervals, if required.</li> <li>Shrubs 1-2 ft. tall, 1 oz. per foot of height.</li> </ul>

BONIDE SYSTEMIC GRANULES contains Di-Syston, EPA Reg. No. 4-153

**FOR VEGETABLES**

Beans  
Broccoli  
Brussels Sprouts  
Cabbage  
Cauliflower  
Lettuce  
Peas  
Spinach  
Tomatoes

**POTATOES**

**TO CONTROL**

Aphids  
Flea Beetles  
Leafhoppers  
Leaf Miners  
Mites  
Thrips

Aphids  
Flea Beetles  
Leafhoppers  
Potato Psyllid

**AMOUNT TO USE**

**IN THE SEED FURROW** Apply <sup>1/2</sup> lb. per 50 feet of row. Place the granules either below or to one side of the seed. Do not allow seed to come into direct contact with the granules.

**IN THE TRANSPLANT HOLE** Apply 2 rounded teaspoons per plant in the transplant hole. Mix granules with soil in hole prior to setting plant. USE ONLY AT PLANTING TIME.

**IN THE SEED FURROW** Apply <sup>1/2</sup> lb. per 50 feet of row. Place the granules either below or to one side of the seed piece. Do not allow seed piece to come into direct contact with the granules.

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Buyer's Guarantee Limited to Label Claims  
Distributed by BONIDE CHEMICAL CO., INC., Yorkville, N.Y. 13495

( ( **prentox** ) (

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed. May be absorbed through the skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contamination of food and feed.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use 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.

Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping prohibited.

**STORAGE:** If container is damaged. Stop any leaks by repositioning the container or by patching or otherwise repairing the leaks. Take care to avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids, wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous earth, sand or sawdust. Sweep the contaminated absorbent on to a shovel and put the sweepings into a salvage drum. Dispose of wastes as below. Place any leaking container into a similar drum or glass container. Mark the container with name of product, ingredient statement, precautionary statements, and signal word. Contact us for replacement label. Do not store, use, pour or spill near heat or open flame.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**RESIDUAL  
SPRAY**

(Contains 0.5% Diazinon)

For Indoor Use Only

**ACTIVE INGREDIENTS:**

Diazinon [0,0 diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate] .....	0.5%
Petroleum Distillates .....	99.5%
<b>INERT INGREDIENTS:</b> .....	00.1%
<b>TOTAL</b>	<b>100.00%</b>

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**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**If swallowed** — Call a physician or Poison Control Center immediately. **DO NOT INDUCE VOMITING.** Vomiting may cause aspiration pneumonia.

**If inhaled** — Remove person to fresh air. Apply artificial respiration if indicated.

**If on skin** — Remove contaminated clothing and wash affected areas with soap and water.

**If in eyes** — Flush eyes with plenty of water. Call a physician immediately.

**Note to physician** — Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

**SEE SIDE PANEL FOR  
ADDITIONAL PRECAUTIONARY STATEMENTS**

E.P.A. REG. NO. 655-405 E.P.A. EST. NO. 655-GA-1

NET CONTENTS . . . Gal. LOT # . . . . .

NOT REVIEWED  
Based on Draft Label  
Accuracy with FR 11/10/10  
822-2-1147

**DIRECTIONS FOR USE**

**NOTE:** This product is not for use on electrical conduits, motor conduits, or other electrical equipment because of shock hazard.

**NON-FOOD AREAS:** Apply to baseboard areas, under doors, in attics, basements, garages, and other areas where insects enter.

Apply as a coarse spray to baseboard areas, under doors, in attics, basements, and beneath sinks in areas where insects enter.

**NOTE:** The solvent is a petroleum distillate which may damage asphalt materials. Do not use to treat such materials. Do not be taken to avoid contact with children in areas until surface is dry. Do not use on food containers.

**COCKROACHES  
SILVERFISH:**

Make spot application with paint brush to baseboards, cracks and crevices. Use insecticide nets, refrigerators, and other areas where these insects hide.

**CARPET BEETLES:**

Apply spray in spaces between edges of carpeting. Use insecticide, in closets and other areas where insects are seen or suspected.

**SPIDERS AND SCorpIONS:**

Apply spray around baseboards. Make spot application to these pests may cause damage.

**PANTRY PESTS:**

Apply spray to shelves and other areas suspected of harboring these pests. Use good housekeeping practices to prevent breeding within food containers. Food should be destroyed if infested.

**BROWN JOG TICKS:**

Make thorough application to ground baseboard areas, sleeping quarters, and other areas of floors and floors. Place in animal traps and treat animals with insecticide.



Manufactured by  
**prentiss**  
Drug & Chemical Co., Inc.

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Sandersville, GA. 31082  
Office: C.B. 2000  
Floral Park, N.Y. 11001