

PI 1 # 246

112

C. D. Gunderson  
LaRoche Industries Incorporated  
1100 Johnson Ferry Road, NE  
Atlanta, GA 30342

APR 4

Dear Mr. Gunderson:

Subject: Reregistration of Products Containing Disulfoton  
Vertagreen Systemic Rose and Flower Care  
EPA Registration No. 3442-840  
Your Application Dated August 4, 1986

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

1. The word "Disulfoton" should precede the chemical name in the ingredients statement on the label.
2. Expand/Revise the precautionary statements to include "May be fatal if swallowed. Do not breathe dust. May be absorbed through the skin ... etc."
3. Change the Note to Physician to read as follows:

Disulfoton 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.

4. Add an If Inhaled statement as follows:

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

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,

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

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Richards

Subject	Vertagreen Systemic Rose and Flower Care	Account: <b>VG50102</b> 1 of 4
		Page: 7/23/86
		Date: CDG001

Copy for Face

**VERTAGREEN  
SYSTEMIC  
ROSE & FLOWER CARE**

READY-TO-USE

For Roses-Azaleas-Bulbs  
Bedding Plants-Ornamental Shrubs  
**FOUR WEEK ALL WEATHER PROTECTION**  
Contains DI-SYSTON  
And 8-12-4 PLANT FOOD  
**KILLS INSECTS-FEEDS PLANTS**

*ACCEPTED  
with COMMENTS  
in EPA Letter Dated:*

**APR 4 1991**

*Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended for the purpose of testing and control of a pesticide...*  
**3442 840**

**ACTIVE INGREDIENT:**

By Weight

Dis. 16.0% 0,0-diethyl(S-[2-(ethylthio)ethyl] phosphorodithioate*.....	0.37%
INERT INGREDIENTS:.....	99.63%
TOTAL:.....	100.00%

EPA Reg. No. 3442-840

EPA Est. 3442-FL-2

The Systemic Chemical is absorbed by the roots and moves to all parts of the plant thru the Sap Stream.

KEEP OUT OF REACH OF CHILDREN

**WARNING**

See back panel for other warnings.

Note: Regarding above copy, minimum type size is:  
18 Pt. for WARNING  
12 Pt. for KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICAL TREATMENT

If Swallowed-Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Never give anything by mouth to an unconscious person.

If In Eyes-Flush eyes with plenty of water. Get medical attention immediately.

If On Skin-Remove contaminated clothing. Wash immediately with soap and water. Call a physician immediately.

Note To Physician-If symptoms of Cholinesterase inhibition are present, Atropine Sulfate is antidotal. 2-PAM may be given in conjunction with Atropine.

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Subject	Vertagreen Systemic Rose and Flower Care	Account: <span style="float: right;">VC50102 2 of 4</span>
		Page: 7/23/86
		Date: CDG001

**GUARANTEED FERTILIZER ANALYSIS**

Total Nitrogen (N).....	8.00%
5.5% Urea Nitrogen	
2.5% Ammoniacal Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ).....	12.00%
Soluble Potash (K <sub>2</sub> O).....	4.00%

Net Weight - 2 lbs.

**DIRECTIONS FOR USE**

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

**FIRST READ WARNINGS AND DIRECTIONS FOR USE**

This product is a scientifically prepared plant food especially formulated for Rose and Shrub feeding combined with a highly effective systemic insecticide. When used as directed kills insects as listed on Roses and other flowering plants as listed. To be used as a soil treatment only.

**WHERE TO USE** - This product may be used on the following plants: Azaleas, Abelia, Camellias, Crataegus, Flowering Quince, Gardenia, Honeysuckle, Hydrangea, Lantana, Lilac, Magnolia, Roses, Spirea, Viburnum. Wigelia, and other common flowering shrubs such as Rhododendron.

**INSECTS CONTROLLED** - Aphids, Birch Leaf Miner, Camellia Scale, Elm Leaf Beetle, European Elm Scale, Holly Leaf Miner, Lace Bugs, Leafhopper, Mimosa Webworm, Spider Mites, Pine Top Moth, Soft Scale, Tea Scale, Thrips, and Whiteflies.

**HOW OFTEN TO USE** - Since this product controls insects from 4 to 6 weeks and gives the plant a balanced feeding it should be applied to infested plants every 5 to 6 weeks thus giving the plant a continuous supply of insecticide and plant food. This will provide the plant with the proper amount to maintain strong healthy growth. Apply to plants when first placed into the soil or when insects become a problem during the season.

**FOR NEW PLANTS** - When planting new Roses or shrubs place 2½ level tablespoons in the transplant hole with the soil as you refill. Mix an additional 2½ level teaspoonfuls in the top 2 inches of soil. Water thoroughly. Do not apply additional fertilizer for about 6 weeks.

**FOR FLOWERS, BULBS AND BEDDING PLANTS** - Apply 2 pounds of this product per each 100 sq. ft. of flower bed area. Work into the top 1 to 2 inches of the soil. Place "Sets" or Seed in position and water the area thoroughly. Do not apply additional fertilizer for about 6 weeks. For bulbs treat after bulb is set but before covering with soil.

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Subject	Vertagreen Systemic Rose and Flower Care	Account: <span style="float: right;">V650102</span>
		Page: 3 of 4
		Date: 7/23/86 CDG001

FOR ESTABLISHED ROSES - Mix  $\frac{1}{2}$  cup (5 level tablespoonfuls) into the soil around the base of each plant and work into the top 1 or 2 inches of soil. Thoroughly water. Do not over-dose since new tender growth may be injured.

ORNAMENTAL SHRUBS - (Evergreen and Deciduous) - Apply  $\frac{1}{2}$  cup (4 ounces or 5 level tablespoonfuls) for each foot of shrub height. Spread the required amount evenly over the soil from the base of the plant to the drip line on all sides of the plant. Mix into the top 1 to 2 inches of soil and water thoroughly.

WHEN TO USE - For Newly Set Plants - apply when planting. Make sure to thoroughly mix with the soil to get maximum benefit from the Insecticide and Fertilizer. For Established Plants - apply when plants have about 1 inch of new growth in the spring and at 5 to 6 week intervals, through the summer. Each application will give at least 4 to 6 weeks control of the pests listed.

FOR POTTED PLANTS - For treatment of potted plants place granules on surface of pot soil and work into the soil surface. If this mixing of the surface soil might damage the plant roots, punch holes into the soil with a pencil 2 to 3 inches deep. Place the proper amount of this product into the holes and thoroughly water. Do not add additional fertilizer for 1 month.

6 inch pot 1 level teaspoonful  
10 inch pot 1 level tablespoonful  
12 inch pot  $1\frac{1}{2}$  level tablespoonful

After placing granules into "punch holes" fill hole with soil and smooth soil surface to avoid plant root damage.

#### STORAGE AND DISPOSAL

(Note: Heading must be minimum 12 Pt. type size)

Do not contaminate water, food or feed by storage or disposal.  
Do not re-use container. Wrap container and place in trash collection.

#### PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

**WARNING** - May be fatal if swallowed. May be absorbed thru the skin and poisoning may occur as a result of exposure. Do not get on skin, in eyes or on clothing. Wear rubber gloves during application and wash gloves and hands thoroughly after each use and before eating or smoking. Do not breathe dust. Keep children and pets off of treated area until product is worked and watered into the soil and treated area is dry. Do not use food utensils for measuring. Do not use around fruit trees or vegetable plants.

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Subject	Vertagreen Systemic Rose and Flower Care	Account: <sup>VG50102</sup> 4 of 4
		Page 7/23/86
		Date: CDG001

**PHYSICAL & CHEMICAL HAZARDS**

If spillage occurs use a trowel or shovel to place material in bag or proper place in the soil. Do not leave product on soil surface. It must be worked into the soil to become effective.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and wildlife. Birds and other wildlife feeding in treated areas may be killed. Do not apply directly to water. Do not contaminate feed or foodstuffs. Do not over-dose as plant injury may result.

**NOTICE:** LaRoche Industries Inc. can accept no responsibility for injury to persons or animals or for loss or damage to turf, soil or other property resulting from failure to follow directions for use or to observe cautions printed on this package.

Manufactured and Registered by  
 LaRoche Industries Inc.  
 1100 Johnson Ferry Road, NE - Atlanta, GA 30342  
 Vertagreen is a Registered Trademark

UPC  
 25704-50102

STORE IN A DRY PLACE

Below for Internal Use Only

APPROVALS - MARKETING	DATE	REGULATORY SRVS.	DATE
BY <i>Suda Wengert</i>	<i>8-4-84</i>	<i>C. D. Henderson</i>	<i>8-4-86</i>

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