



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
248782

Application for Pesticide - Section I

1. Company/Product Number 802-426	2. EPA Product Manager George LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Lilly/Miller Systemic Rose, Shrub & Flower Care	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) The Chas. H. Lilly Co. PO Box 83179 Portland, OR 97283-0179 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

NOTIFICATION  
MAY 2 1996

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification per PR Notice 95-2:

Revise use rates on version B that were in error on previous label. These corrected rates correspond to the use rates on version A of the approved label.  
Revise label to eliminate redundant or confusing wording.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Daria Mills	Title Registration Specialist	Telephone No. (Include Area Code) (503) 289-5937
2. Signature <i>Daria Mills</i>		6. Date Application Received (Stamped)
3. Title Registration Specialist		
4. Typed Name Daria Mills	5. Date 5/8/96	

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Added / Revisions are 298  
language highlighted  
on this  
copy

MASTER LABEL

LILLY/MILLER  
SYSTEMIC ROSE, SHRUB & FLOWER CARE

Contains DI-SYSTON\*

Feeds Plants  
Kills Insects

A 6-10-4 PLANT FOOD  
PLUS SYSTEMIC INSECTICIDE

**ACTIVE INGREDIENT:**

Disulfoton: O,O-Diethyl S-(2-(ethylthio)ethyl)  
phosphorodithioate\* . . . . 1%

INERT INGREDIENTS . . . . 99%

\*DI-SYSTON is a reg. T.M. of the ultimate parent company of Mobay Corporation

Keep out of reach of children

**WARNING**

See side panel for additional warnings.

NET WEIGHT 2 LBS.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** May be fatal if swallowed, inhaled or absorbed through the skin. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear rubber gloves. Wash hands thoroughly after handling. Keep children and pets off treated areas until this material is worked and watered into the soil and treated area is completely dried.

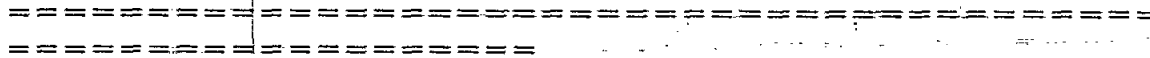
**STATEMENT OF PRACTICAL TREATMENT**

**If Swallowed:** Call a physician or Poison Control Center. 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 to an unconscious person. **NOTE TO PHYSICIAN:** Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine. **If On Skin:** Remove contaminated clothing and wash skin with soap and warm water. Call a physician if irritation persists. **If In Eyes:** Flush with plenty of water and get medical attention if irritation persists.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife. Do not apply directly to water. Do not contaminate fish ponds. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Cover or incorporate spills.

This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.



**DIRECTIONS FOR USE (Version A)**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For outdoor home garden or domestic use only.

SYSTEMIC ROSE, SHRUB & FLOWER CARE is an effective systemic insecticide, combined with a fertilizer containing Nitrogen, Phosphate, Potash, Calcium, Sulfur and Iron. Applied as directed, SYSTEMIC ROSE, SHRUB & FLOWER CARE will control insects such as aphids, spider mites, leafhoppers and thrips, and maintain strong vigorous plants.

SYSTEMIC ROSE, SHRUB & FLOWER CARE controls insects up to six weeks. Rain or watering cannot wash away the insecticide since it is taken up through the roots and works from inside the plant in the sap stream. This internal action protects the entire surface of the plant including new growth and the undersides of leaves.

When used as directed SYSTEMIC ROSE, SHRUB & FLOWER CARE kills the following insects on Roses, Shrubs and Flowers ...

- |                 |                 |                |
|-----------------|-----------------|----------------|
| Aphids          | Whiteflies      | Mimosa Webworm |
| Spider Mites    | Lace Bugs       | Scales         |
| Birch Leafminer | Thrips          |                |
| Holly Leafminer | Pine Tip Moth   |                |
| Leafhoppers     | Elm Leaf Beetle |                |

PLEASE READ ENTIRE LABEL. USE ONLY AS DIRECTED, NOTING ALL PRECAUTIONS AND WARNINGS.

Apply this product in early spring when plants have about one inch of new growth, and at 4 to 6 week intervals throughout the summer. The earlier the application, the better protection your plants will have against insect damage while also feeding your plants with proper amounts of nutrients to encourage strong healthy growth.

If insects are already present, apply an appropriate spray to control the infestation. Then apply SYSTEMIC ROSE, SHRUB & FLOWER CARE to maintain insect control.

**On Established Roses**

For established plants, spread 1/3 cupful of SYSTEMIC ROSE, SHRUB & FLOWER CARE evenly around the base of each plant and work into the top 1 to 2 inches of soil. Water thoroughly. Avoid contact with hands. For subsequent applications, use proportionately more as rose plants increase in size.

When Planting New Shrubs

Place 2 rounded tablespoons (1 oz.) in transplant hole with the soil as you fill. After filling, mix 2 rounded tablespoons in the top 2 inches of soil around plant. Water thoroughly. Do not apply additional fertilizer for about six weeks.

On Flowers, Bulbs, Bedding Plants

Apply 2 pounds for each 100 sq. ft. (5 x 20 ft.) of bed area. Work into top 1 to 2 inches of soil. Plant seed or set plants and water thoroughly. Do not apply additional fertilizer for about six weeks.

On Potted Plants

Punch a number of holes in the pot soil with stick about the size of a pencil. Then apply 1 level teaspoonful per 6 inch pot, by pouring the granules into the holes. Water thoroughly.

On Ornamental Shrubs

Apply 2/3 cupful for each foot of shrub height (2 cupsful for a 3 foot shrub). Distribute the required amount evenly from base to drip line on all sides of plant. Work into top 1 to 2 inches of soil and water thoroughly.

USE PRECAUTIONS: Do not use around fruit trees or vegetable plants. Do not broadcast applications to lawns. Do not use indoors. This product may burn tender foliage. If contact occurs, wash material off plants immediately.

Keep this product off sidewalks, patios, driveways, etc. This fertilizer contains iron which will stain concrete and painted surfaces. If it comes in contact with concrete surface, sweep off immediately before flushing with water. If concrete is wet when contact occurs, staining may be impossible to prevent.

Measuring spoons and cups should not be used for food purposes after use with this product and/or insecticides of any type.

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DIRECTIONS FOR USE (Version B)

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For outdoor home garden or domestic use only.

What is this product? And what will it do?

Systemic Rose, Shrub & Flower Care is the easy way to stop insect problems on roses, and to give them the plant food they need. Systemic Rose, Shrub & Flower Care is a good choice for insect control because it works from inside the plant (systemic action) -

- \* rain can't wash it off and,
- \* it's already on the job anytime insects attack.
- \* lasts up to six weeks
- \* protects new growth
- \* provides a complete feeding for roses
- \* built in measuring cap

[ADDED marketing language]

Systemic Rose, Shrub & Flower Care is the only rose food you need all season long. It contains the nitrogen, phosphorus and potassium plants need most, plus iron, calcium and sulfur for better color and stronger stems.

Systemic Rose, Shrub & Flower Care is not just for roses. Try it on azaleas, camellias, holly, and bulbs, as well as annual and perennial flowers. Systemic Rose, Shrub & Flower Care protects all kinds of plants from these insects:

- Aphids
- Birch leaf miner
- Elm leaf beetle
- Holly leaf miner
- Lace bugs
- Leafhoppers
- Mimosa webworm
- Pine tip moth
- Scales
- Spider mites
- Thrips
- Whiteflies

How do I use this product?

Measuring: To be sure you're giving your plants the right amount of Systemic rose, shrub & Flower Care, always measure it out. You can use the cap as a measuring cup. Just fill its inner ring to the top for 3 tablespoons.

[Added]

When to use:

For Roses and Shrubs:

Make your first application in early spring, just as plants begin to show their new leaves or as weather begins to warm up. Then re-apply every 4 to 6 weeks throughout the summer.

Stop using Systemic Rose, Shrub & Flower Care one or two months before frost is expected (September, in areas which rarely have frost). Plant food encourages new growth, which may be injured by cold temperatures.

If aphids or other insects are already on the plants, use a fast-acting spray such as Lilly/Miller Diazinon Insect Spray or Ready-To-Use Bug-Off to stop them. At the same

time, put down Systemic Rose, Shrub & Flower Care. It goes to work in a few days to protect your plants while it feeds them.

For Flowers, Bulbs and Ground Covers:

For established plants, make your first treatment in early spring. In newly planted areas, wait two weeks before putting down Systemic Rose, Shrub & Flower Care. Then, re-apply every 4 to 6 weeks throughout the summer.

Stop using Systemic Rose, Shrub & Flower Care one or two months before frost is expected. Plant food encourages new growth, which may be injured by cold temperatures.

What to do:

For Roses and Shrubs: Measure out the correct amount for the size bush you have. Sprinkle the granules on the soil, under the leaves of the bush, as shown in the illustration. The granules should not touch the plant canes or stems.

Carefully mix the granules into the soil down 1 or 2 inches. Do not damage plant roots. Water the entire area well, but do not allow puddles to form. Do not allow granules to remain on the soil surface.

Amount to use:

If your bush is this high	measure out this much Systemic Rose, Shrub & Flower Care
1 foot	3-1/2 Tablespoons
2 feet	7 Tablespoons
3 feet	2/3 cup
4 feet	1-3/4 cups
5 feet	2-1/4 cups
6 feet	2-2/3 cups

For Flowers, Ground covers and Bulbs: Measure out the correct amount for the size area you have. Sprinkle it on the soil, between the plants. Do not place the granules in piles around the plants.

Wash any granules off the leaves. Carefully mix the granules into the soil down 1 or 2 inches. Do not damage plant roots. Water the entire area well, but do not allow puddles to form. Do not allow granules to remain on the soil surface.

Use this much Systemic Rose, Shrub & Flower Care	for this much area
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1/3 cup	9 sq. ft. (3'x 3')
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[ Rates revised - on 7 9 8  
 previous label these  
 were in error -  
 revised to correspond  
 to approved  
 rates ]

1/2 cup	15 sq. ft. (3'x 5')
3/4 cup	25 sq. ft. (5'x 5')
1 1/2 cups	50 sq. ft. (5'x 10')

For plants in Containers, such as pots, barrels, patio planters, etc.: Be sure the soil in the container is moist. Measure out the correct amount for the pot or container you have. Sprinkle it on the soil surface.

Wash any granules off the leaves. Carefully mix the granules into the soil down 1 or 2 inches. Do not damage plant roots. Water the container well. Do not allow granules to remain on the soil surface.

If the top of your container is this big across	use this much Systemic Rose, Shrub & Flower Care
12 inches	1-1/2 Tablespoons
16 inches	8 teaspoons
20 inches	1/4 cup
24 inches	6 Tablespoons

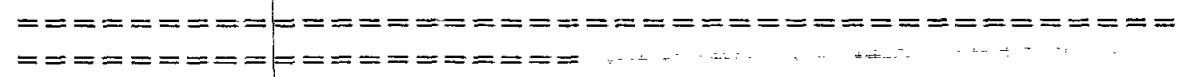
**What not to do:**

Do not use Systemic Rose, Shrub & Flower Care in vegetable gardens or around any plants used for food. Do not use around fruit trees. Do not use on lawns or indoors. Do not place the granules in piles around the plants. Do not allow granules to remain on the soil surface after treatment. Do not use with other fertilizers, especially those containing bone meal or blood meal.

[ Added for  
 clarification,  
 on use ]

**What will I see?**

You will see beautiful roses! Systemic Rose, Shrub & Flower Care controls the aphids and other bugs that damage the flowers in your garden. Plus, the plant food will make all your plants more colorful, stronger and even more vigorous.



**STORAGE AND DISPOSAL**

Store this product in its original container and keep in a cool dry locked storage area out of reach of children and domestic animals. Keep product in its original container. Do not put into drink or food containers. Avoid contamination of feed or foodstuffs. Do not reuse container. Securely wrap container in several layers of newspaper and discard in trash.

**GUARANTEED FERTILIZER ANALYSIS**

Total Nitrogen (N) . . . . 6%  
 4.3% Ammoniacal Nitrogen

