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

EPA Reg. Number:  
**3125-517**

Date of Issuance:  
**MAR 11 1998**

Term of Issuance: **Conditional**

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration

Name of Pesticide Product:  
**Di-Syston® Rose Care  
Insecticide**

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**John S. Thornton  
Bayer Corporation  
8400 Hawthorn Road, P.O. Box 4913  
Kansas City, MO 64120**

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 following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 3125-517".
  - b. Add the following sentences to the "Where to Use" section: "Do not apply broadcast applications to lawns." and "Not for use in commercial greenhouses and nurseries."

Signature of Approving Official:

*Beth Edwards* For *Georgy LaRocca*

Date:

**MAR 11 1998**

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- c. In the Ingredient Statement, delete the words "Other Ingredients are:"
- d. Since the product is intended for use in interior plantscapes, delete the phrase "For Outdoor Residential Use Only."
- e. In the PRECAUTIONARY STATEMENTS, delete the word "Possible" from "Possible Hazards to Humans and Domestic Animals."
- f. Revise "guidelines" to "directions" wherever it appears on the labeling. Also delete the phrases "responsible use" and "To use this product responsibly." These phrases are somewhat misleading, implying that directions for use are highly suggestive but not mandatory for the proper use of the insecticide.

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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 yours,

*Bob Edwards*

for George T. LaRocca  
 Product Manager 13  
 Insecticide Branch  
 Registration Division (7505C)

Enclosure

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Reason to Issue: To revise per internal comments. Draft Dated 09/11/97: To introduce new product.

Date of Pre-Reg Draft: 10/27/97 (B) Supersedes Pre-Reg Draft Dated: 09/11/97

# Di-Syston® Rose Care Insecticide

## Product Description

DI-SYSTON Rose Care Insecticide is a scientifically prepared plant food especially formulated for rose feeding combined with a highly effective systemic insecticide.

When applied according to directions, DI-SYSTON Rose Care Insecticide provides the proper amount of plant food and systemic insecticide necessary to maintain strong, healthy roses. Di-Syston protects roses from the damage normally caused by sucking insects (such as aphids, leafhoppers, spider mites, and thrips) and certain chewing insects. In addition, DI-SYSTON also provides protection for

- roses
- flowers
- bedding plants
- ground covers
- ornamental shrubs
- potted plants
- bulbs

## How it Works

The insecticide in DI-SYSTON Rose Care Insecticide works systemically—it is taken up through the roots and moves through the sap stream to all parts of the plant—even into new growth. Once there, it protects for up to six weeks against insects that can damage the plant as they feed on it.

In addition, DI-SYSTON Rose Care contains just the right amount of plant food to maintain strong plants with healthy roots.

## Where to Use

DI-SYSTON Rose Care is designed for use in

- ornamental gardens
- home greenhouses
- interior plantscapes

## Ingredients

### ACTIVE INGREDIENT:

Disulfoton ..... 1.00%

OTHER INGREDIENTS\* ..... 99.00%

100.00%

\* Other Ingredients are:

## EPA Registration Information

EPA Reg. No. 3125-~~XXX~~ LRT

Net Contents: 2 or 5 Pounds

## IMPORTANT INFORMATION

**STOP - Read This Label Before Use  
KEEP OUT OF REACH OF CHILDREN  
For Outdoor Residential Use Only**

# WARNING

ACCEPTED with COMMENTS in EPA Letter Dated

MAR 11 1998

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

3125-517

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**DI-SYSTON Rose Care Insecticide**

**PRECAUTIONARY STATEMENTS:**  
Possible Hazards to Humans and Domestic Animals

- Poisoning may occur as a result of exposure.
- May be fatal if swallowed.
- Avoid breathing dust.
- Do not get in eyes, on skin, or on clothing.
- Wash thoroughly with soap and water after handling.

**First Aid**

The table below describes the first aid procedures for incidents involving DI-SYSTON Rose Care.

IN THE CASE OF ACCIDENTAL...	IMMEDIATELY...
swallowing	If the person is able to swallow: <ul style="list-style-type: none"> <li>• Have them sip 1 to 2 glassesful of water.</li> <li>• Call a doctor or poison control center for further treatment advice.</li> </ul>
inhalation	<ul style="list-style-type: none"> <li>• If breathing is affected, move person to fresh air.</li> <li>• Contact doctor or poison control center for further treatment advice.</li> <li>• If not breathing, call an ambulance and give artificial respiration.</li> </ul>
contact with skin	<ul style="list-style-type: none"> <li>• Remove contaminated clothing.</li> <li>• Wash affected skin with soap and warm water.</li> <li>• Call a doctor if irritation occurs.</li> </ul>
contact with eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water.</li> <li>• Continue to rinse eye for 10 to 15 minutes.</li> <li>• Call a doctor if irritation persists.</li> </ul>
<p><b>NOTE:</b> When calling poison control center, have this product label accessible. If seeking treatment at an emergency room or doctor's office, bring this product label to show medical personnel. you may call 800-414-0244 for medical emergency information. Active ingredient: Disulfoton [CAS # 298-04-04]</p>	

**Note to Physician:** Disulfoton is a cholinesterase inhibitor. Atropine sulfate is antidotal only if signs of cholinesterase inhibition are present. 2-PAM is also antidotal and may be administered in conjunction with atropine.

**Environmental Hazards**

- This pesticide is toxic to fish and wildlife. Do not apply directly to water.
- This pesticide is toxic to bees exposed to direct application.

**Directions for Use**

**IMPORTANT:**  
Follow Label Directions

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For best results, be sure to read and follow all label directions.

**Responsible Use**

To use responsibly, follow these guidelines when applying DI-SYSTON Rose Care Insecticide:

- Apply the product during early morning or late evening, when bees are not present.
- Do not apply near fish pools, ponds, streams or lakes.
- Food utensils such as teaspoons or measuring cups should not be used for food purposes after use with insecticides.
- Keep children and pets off treated areas until product is worked into the soil and the treated areas have dried completely.
- Wear rubber gloves when handling.

**Controllable Insects**

DI-SYSTON Rose Care can be used to kill the following insects:

aphids	whiteflies	spider mites
birch leafminers	thrips	lace bugs
leafhoppers	mimosa webworms	holly leafminers
pine tip moths	elm leaf beetles	

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DI-SYSTON Rose Care Insecticide

When to Apply

Apply DI-SYSTON Rose Care to plants

- When they have approximately one inch of new growth in the spring.
- At six-week intervals thereafter and throughout the growing season.

How to Use

The table below describes how to use DI-SYSTON Rose Care.

IF YOU ARE...	THEN...
feeding and protecting established roses	<ul style="list-style-type: none"> <li>• Spread 2 ounces of DI-SYSTON evenly around the base of each plant to be treated.</li> <li>• Work the product into the first 1 to 2 inches of soil.</li> <li>• Water the plant(s) thoroughly.</li> </ul>
planting new roses	<ul style="list-style-type: none"> <li>• Place 1 ounce in the transplant hole with the soil as you fill.</li> <li>• Mix the remaining 1 ounce in the top 2 inches of soil.</li> <li>• Water the plant(s) thoroughly.</li> </ul> <p><i>Note:</i> Reapply at 6 week intervals throughout growing season.</p>
treating <ul style="list-style-type: none"> <li>• flowers</li> <li>• bedding plants</li> <li>• bulbs</li> </ul>	<ul style="list-style-type: none"> <li>• Apply 2 lb of DI-SYSTON per 100 sq feet (approximately 5 x 20 ft of bed area).</li> <li>• Work the product into the top 1 to 2 inches of soil.</li> <li>• Plant seed or set plants.</li> <li>• Water the area thoroughly.</li> </ul> <p><i>Note:</i> Reapply at 6 week intervals throughout growing season.</p>

IF YOU ARE...	THEN...
feeding and protecting ornamental shrubs	<ul style="list-style-type: none"> <li>• Apply 4 ounces of DI-SYSTON per each square foot of shrub height (<i>Example:</i> 12 ounces for a 3-foot shrub).</li> <li>• Distribute the required amount of product evenly from the base of the drip line on all sides of the plant.</li> <li>• Work into the top 1 to 2 inches of soil.</li> <li>• Water thoroughly.</li> </ul>
treating potted plants	<ul style="list-style-type: none"> <li>• Apply 1 level teaspoon per 6-inch pot by punching a number of small holes into the pot soil with a pencil.</li> <li>• Evenly apply granules into the holes.</li> <li>• Thoroughly water the plants.</li> </ul>

DI-SYSTON Plant Food  
Minimum Guaranteed  
Analysis

Total Nitrogen (N) .....	10%
Derived from ammonium nitrate, ammonium sulfate, ammoniated phosphates and muriate of potash.	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ) .....	10%
Soluble Potash (K <sub>2</sub> O) .....	10%
Total Available Primary Plant Food, not less than .....	30%

Potential acidity 600 lb calcium carbonate equivalent per ton.

IMPORTANT: Directions for  
Storage and Disposal

Storage Conditions

Store the original DI-SYSTON Rose Care container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet.

DI-SYSTON Rose Care Insecticide

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Disposal

- Do not reuse empty container.
- Completely empty container.
- Wrap the empty container in several layers of newspaper.
- Place container in trash.

**Important:** It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow all state and local guidelines.

NOTICE

Research and testing has determined that the "Directions for Use" are appropriate for the proper use of DI-SYSTON Rose Care under expected conditions.

The Buyer assumes responsibility for lack of performance or safety if the product is not used according to the directions on this label.