

432-1286

(07/19/2007)

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**U.S. ENVIRONMENTAL PROTECTION
AGENCY**

**Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460**

EPA Reg. Number:

432-1286

Date of Issuance:

JUL 19 2007

Term of Issuance: **Unconditional**

Name of Pesticide Product:

**Systemic 2 in 1 Rose Care
10-10-10 Rose Food with
Insecticide**

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**Bayer Environmental Science
A Division of Bayer CropScience LP
2 T.W. Alexander Drive
Research Triangle Park, NC 27709**

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.

Based on your response to the Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Generic data requirements that have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided you make the following changes:

1. Replace the top front panel claim with "For outdoor control of certain insects on roses, shrubs, and flowers."
2. In the ingredients statement, revise ACTIVE INGREDIENTS to ACTIVE INGREDIENT, since there is only one. Also, align the numbers in the percentage column.

Signature of Approving Official:

Date:

JUL 19 2007

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3. Revise the Hazards to Humans and Domestic Animals to read as follows:

WARNING. May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

4. Based upon the submitted toxicology data, you may choose to delete the "If inhaled" and "If on skin or clothing" advice entries from the FIRST AID section.
5. Revise the Note to Physician to read as follows: Disulfoton is an organophosphate that inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Symptoms include a sense of "tightness" in the chest, sweating, contracted pupils, stomach pains, and vomiting and diarrhea. Atropine sulfate, i.v., is antidotal. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. Do not give morphine.
6. Replace the first bullet in the Environmental Hazards with the following:

This pesticide is extremely toxic to birds, mammals, fish, and aquatic invertebrates.
7. Replace the second bullet in the Environmental Hazards with: "Do not apply directly to water.". You may delete the fourth, fifth and sixth bullets since this product is applied from the original container and is granular soil incorporated.
8. Under the heading Directions for Use, relocate "It is a violation..." to appear above the NOTE. Revise the NOTE to read "For outdoor residential ornamental use only. Not for use indoors, in home or commercial greenhouses, in nurseries, or on home vegetable gardens. Apply only using the special measuring cap. Do not use spoons or other measuring devices."
9. In the "On Established Roses" text, replace "1/3 cupful (2 oz.) with "2 oz. (to top of inner circle)". Also revise "spread 1/3 cupful" with "spread 2 oz."
10. Revise the heading "On Flowers, etc." to read "Flower Beds and bulbs" and replace the first sentence with "Evenly sprinkle 2 capfuls (4 oz.) per 12 sq. ft (3 x 4 feet) of flower bed."

11. Delete the heading "On Potted Plants" and the associated directions.
12. In the RESTRICTIONS, add as the first bullet: "Do not apply this product in a way that will contact any person or pet, either directly or through drift. Only persons applying this product may be in the area during application.". As the fifth bullet, add: "Product must be soil incorporated and watered in.". As the sixth bullet, add "Do not allow people (except the one applying and watering-in the product) or pets to enter the treated area until the product is worked into the soil, watered in, and the treated areas have dried completely."
13. Revise the beginning of the statement "Systemic 2 in 1 Rose Care is a scientifically prepared plant food ...etc " to read "Systemic 2 in 1 Rose Care is a specially prepared plant food formulated for rose feeding ...etc".
14. Under the warranty statement add "To the extent permitted by applicable law" to the beginning of the sentence "Bayer offers and the buyer accepts and uses...etc."
15. Under "Restrictions" add the precaution "Do not apply near fish pools, ponds, streams, or lakes."

A stamped copy of the label is enclosed for your records. Please submit 5 copies of the amended labeling bearing the above revisions when it becomes available.

You may distribute products bearing old labels/labeling for 12 months from receipt of this letter or until your next printing of the label, which ever occurs first.

If you have any questions or comments regarding this letter, please contact George LaRocca at (703) 305-6100 or via e-mail at larocca.george@epa.gov.

Enclosure

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SYSTEMIC 2 IN 1 ROSE CARE 10-10-10 ROSE FOOD WITH INSECTICIDE

For control of certain insects on roses, flowers, bulbs, bedding plants, potted plants or ornamental shrubs in interior landscapes, home gardens, home greenhouse or ornamental gardens or parks.

ACTIVE INGREDIENTS: (As related to insecticide content)

Disulfoton (O, O-Diethyl S-12[ethylthio]-ethyl} phosphorodithioate).....

1%

INERT INGREDIENTS

99%

100%

EPA Reg. No. 432-1286

EPA Est No.

Net Contents: _____ Pounds

ACCEPTED
with COMMENTS
In EPA Letter Dated
JUL 19 2007

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 432-1286.

STOP-READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

WARNING

See side Panel for Additional Precautionary Statements

For Outdoor Residential USE only

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS

WARNING

- Poisoning may occur as a result of exposure.
- May be fatal if swallowed.
- May be absorbed through skin.
- Do not breathe dust
- Do not get in eyes, on skin, or on clothing.
- Do not contaminate feed or food. Keep out of reach of children.
- Wash thoroughly after handling food utensils such as a teaspoon or measuring cup should not be used for food purposes after use with insecticides.
- Keep children and pets off treated areas have dried completely.

FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call poison center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

NOTE: 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 TollFree 1-877-229-3763 for medical emergency information. Active Ingredient:
 [*CAS # 298-04-4].

To Physician: No specific antidote is available. Treat the patient symptomatically.

ENVIRONMENTAL HAZARDS

- This pesticides is toxic to fish and wildlife.
- For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark
- Drift and runoff from treated areas may be hazardous to fish in neighboring areas.
- Do not contaminate water by disposing of equipment washwaters
- 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

Note: Not for use in commercial greenhouses and nurseries

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using SYSTEMIC 2 in 1 Rose Care Insecticide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED INSUFFICIENT CONTROL OF PESTS AND /OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS ANIMALS, MAN, OR THE ENVIRONMENT. Bayer OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF Bayer AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

Systemic 2 in 1 Rose Care is a scientifically prepared plant food especially formulated for rose feeding combined with a highly effective systemic insecticide. When applied according to directions, Systemic 2 in 1 Rose will provide the proper amount of plant food and systemic insecticide necessary to maintain strong, healthy roses which are free from the damage normally caused by sucking insects (aphids, leafhoppers, spider mites, and thrips) and certain chewing insects. The insecticide in Systemic 2 in 1 Rose Care is taken up by the roots and moves in the sap stream to all parts of the plant (systemic action)- even into the new growth. Here it stays on guard to kill insects as they feed on the plant.

Systemic 2 in 1 ROSE CARE when used as directed kills:

- Aphids (plant lice)
- Birch leafminer
- Holly leafminer
- Lace bug
- Leafhoppers
- Mimosa webworm
- Pine tip moth
- Spider mites
- Thrips
- Whiteflies
- On rose and other shrubs and flowers

In addition to control of insects for 6 weeks, 2 in 1 Rose Care provides your roses with the proper amount of plant food necessary to maintain strong healthy plants.

HOW TO USE 2 IN 1 ROSE CARE

On Established Roses: The cap of this container will hold 1/3 cupful (2 oz) of SYSTEMIC 2 in 1 Rose Care. For established plants spread 1/3 cupful of SYSTEMIC 2 in 1 Rose Care (1 level capful) evenly around the base of each plant and work into 1 to 2 inches of soil. Water thoroughly.

When Planting New Bushes: Place 1/2 capful in the transplant hole with the soil as you fill. Mix the remaining 1/2 capful in the top 2 inches of soil. Water thoroughly. Do not apply additional fertilizer for about 6 weeks.

On Flowers, Bulbs, and Bedding Plants: Apply 2 lb of SYSTEMIC 2 in 1 Rose Care per each 100 square feet (5 x 20 feet) 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 6 weeks.

On Potted Plants: Apply 1 level teaspoonful per 6-inch pot by punching a number of small holes into the pot soil with a pencil. Pour granules into the holes and thoroughly water the plants.

On Ornamental Shrubs: Apply 2 capfuls of SYSTEMIC 2 in 1 Rose Care for each foot of shrub height (6 capfuls for a 3-foot high shrub). Distribute the required amount evenly from the base of the drip line on all sides of the plant. Work into the top 1 to 2 inches of soil and water thoroughly.

WHEN TO USE SYSTEMIC 2 IN 1 ROSE CARE

Applied when plants have about 1 inch of new growth in the spring and at 6-week intervals through the summer, SYSTEMIC 2 in 1 Rose Care will provide the proper amount of plant nutrients to maintain strong healthy plants. Each application will be a least 6-week control of the pests listed.

**SYSTEMIC 2 IN ROSE CARE
10-10-10 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 ₂ O ₅)	10%
Soluble Potash (K ₂ O).....	10%
Total Available Primary Plant Food, not less than.....	30%


Potential acidity 600 lb calcium carbonate equivalent per ton.

RESTRICTIONS

Use this product only in accordance with label directions

- Do not apply using body mounted spreaders (i.e. belly grinders)
- Do not apply broadcast applications
- Do not apply in greenhouses or on home vegetable gardens.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal	
Storage Conditions:	Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet.
Disposal: 	If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800 Cleanup for disposal instructions. Never place unused product down any indoor or outdoor drain.

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