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5466204

Ms. Elsa Zisook
The Solaris Group
Division of Monsanto Company
P.O. Box 5006
San Roman, CA 94583-0906

Dear Ms. Zisook:

Subject - Amendment-Label
Ortho Systemic Rose & Flower Care 8-12-4
EPA Registration No. 239-2134
Your Submission dated May 9, 1994

The amendment referred to above, submitted in connection with registration under section 3 (c) (7) (A), of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3 (c) (5) or 4 (a) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Although we do not object to use of a common name it must be followed by the chemical name. The chemical name is important information for first aid treatment or medical emergencies.

b. Delete "From the rose care experts". Vague or non-specific terms implying unstated benefits related to a pesticide product are not acceptable.

c. Either delete or qualify the term "New". What is new? The term new can be used on production batches six months from the date of approval.

d. We recommend reinstating the instruction, "from the base to the drip line of all sides of the plant". We doubt the consumer knows what is meant by the root zone of each plant.

CONCURRENCES

SYMBOL							
SURNAME	<i>Sty</i>						
DATE							

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e. Under Storage and Disposal reinstate "Avoid contamination of feed and foodstuffs".

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6 (e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

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

Enclosure:

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ORTHO®
Systemic Rose
& Flower Care
8-12-4

May 3, 1994

Two-Way Action: Feeds/fertilizes and protects against insects

Feeds/Fertilizes and protects your roses in one easy step

Two-in-One Action

Protects Against Insects

Fertilizes and protects your roses against insects

Takes seconds/minutes - lasts for weeks

Apply in seconds/minutes - lasts for weeks

From the rose care experts

Feeds and protects up to 16/40/42/80 roses (depending on size 2, 5, 5-6, 10 lbs.)

Treats up to 16/40/42/80 roses (depending on size)

Beautiful roses have never been easier

One step to beautiful roses

Great results - Guaranteed

Provides long lasting feeding and protection

Feeds and protects 20 roses for the growing season (5 lb. size)

One application lasts 6 weeks

One step is all it takes to beautiful roses

Beautiful roses made easy

Easy to use

Beautiful roses in one step

Quick and easy

Ready-to-use. No mixing

Feeds/fertilizes and protects roses, flowers, and ornamental shrubs

Water proof packaging

All weather package

New

Bonus pack

Bonus size

Handy measuring cup

Use the cap as a measuring cup

Cap doubles as a measuring cup

Green granules

New green granules

Colored granules

New colored granules

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 17 1994

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

239-2134

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INGREDIENT STATEMENT AS AN INSECTICIDE

Active Ingredient	By Wt.
*Disulfoton (0,0-diethyl-s-(2[ethylthio]ethyl)-phosphorodithioate).....	1%
Inert Ingredients.....	99%

*DI-SYSTON® Insecticide
 *Equivalent 20 lbs. DI-SYSTON insecticide per ton.
 Keep out of reach of children
 WARNING
 See back panel for additional precautionary statements.
 NET WT. 5 LBS. ~~12.25 kg~~

NOTE: THIS PACKAGE IS SOLD BY WEIGHT. CONTENTS MAY HAVE SETTLED DURING SHIPMENT.

GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N).....	8%
5.6% Ammoniacal Nitrogen	
1.1% Urea Nitrogen	
1.3% Water Insoluble Nitrogen	
Available Phosphoric Acid (P ₂ O ₅)	12%
Soluble Potash (K ₂ O)	4%
Calcium (Ca)	8%
Magnesium (Mg)	3.0%
0.5% Water Soluble Mg	
Sulfur (S) as Combined	4.0%
Boron (B)	0.02%
Iron (Fe)	0.4%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0008%
Zinc (Zn)	0.05%
Primary Nutrients from Urea, Urea Formaldehyde, Ammonium Sulfate, Ammoniated Superphosphate, Ammonium Phosphate and Muriate of Potash.	

Secondary and Trace Nutrients from Superphosphate, Magnesium Oxide, Ammonium Sulfate, Iron Sulfate, Sodium Borate, Manganese Oxide, Sodium Molybdate and Zinc Oxide
 Chlorine, not more than 3.1%
 Potential Acidity 600 lbs. Calcium Carbonate Equivalent per ton 84-1030

Protects and feeds rose bushes and ornamental plants in one easy step. Two-in-one product contains an insecticide and all the nutrients your roses/plants need for strong, healthy growth and beautiful blooms. Feeds and protects against insects for up to 6 weeks. Treats your roses in minutes/seconds. Simply apply the granules around the base of the plant, mix into the soil, and water. The product is absorbed into the plant through the roots and will not be washed off by rain or watering. Even new growth is fully protected from insect damage.

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
 READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

- ~~— An effective systemic insecticide combined with a fertilizer containing the three essential plant food elements, Nitrogen, Phosphate, and Potash. This combination provides the proper amount of plant food and systemic insecticide necessary to maintain strong, vigorous plants.~~
- ~~— Protects against insects for six week. It cannot be washed off by rain or sprinkling, since the protection is internal. This unique action protects all surface areas, including undersides of leaves and blossoms. Even new growth is fully protected from insect damage.~~

When used as directed, kills the following insects on roses and other flowers and shrubs: ~~INSECTS~~

~~CONTROLLED~~

Aphids (Plant Lice), Spider Mites, Birch Leafminer, Holly Leafminer, Leafhoppers, Whiteflies, Pine Tip Moth, Lace Bug, Mimosa Webworm.

~~Do not use around fruit trees or vegetable plants. Do not broadcast applications to lawn. Do not use on container grown plants. Do not use with other fertilizers. [reworded and moved].~~

WHEN TO USE

~~ORTHO Systemic Rose & Flower Care 8-12-4 should be applied. Apply in the spring when plants have about one inch of new growth and at six week intervals through the summer. Reapply every 6 weeks during the growing season. This is the only fertilizer you need for healthy roses and beautiful blooms. Do not mix or apply with other fertilizers. In addition to control of insects for six weeks, your plants will be provided with the proper amount of plant food necessary to maintain strong, vigorous growth.~~

WHERE & HOW TO USE

~~Product is for use on ornamental garden plants only. It is not for use on edible plants, fruit trees, lawns, or container grown plants. Do not broadcast applications to lawns.~~

~~[Text Form - Option 2]~~

~~ON-ESTABLISHED ROSES: For established plants, spread 1/3 cup (2 oz.) evenly around the base of each plant bush, and work into 1 or 2 inches of soil with a garden tool. Water thoroughly. Avoid contact with hands.~~

~~NEW ROSES WHEN PLANTING NEW BUSHES: After planting, mix 1/4 cup in the top 2" inches of soil with a garden tool. Water thoroughly. Do not apply additional fertilizer for about six weeks.~~

~~ON-FLOWERS, BULBS, BEDDING PLANTS: Apply 2 lbs. per each 100 sq. ft. (5'x20') of bed area. Work into top 1 to 2 inches of soil. Plant seeds or transplants or set plants and water thoroughly. Do not apply additional fertilizer for about 6 weeks.~~

~~ON-ORNAMENTAL SHRUBS: Apply 2/3 cupful (4 oz.) for each foot of shrub height (2 cupfuls for a 3-foot high shrub). Distribute the required amount. Spread evenly over the root zone of each plant. ? from the base to the drip line of all sides of the plant. Work into the top 1 to 2 inches of soil with a~~

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garden tool and water thoroughly.

Table Form OPTION 1

PLANTS	PRODUCT TO APPLY	TREATMENT TIPS
Established Roses	1/3 cup per plant	Spread evenly around the base of each bush. Work into top 1-2 inches of soil with a garden tool. Water thoroughly.
New Roses	1/4 cup per plant	After planting, mix into top 2 inches of soil with a garden tool. Water thoroughly.
Ornamental Shrubs (Illustration) - Root zone	2/3 cup for each foot of shrub height	Spread evenly over the root zone of each plant. Mix into top 2 inches of soil with a garden tool. Water thoroughly.
Flowers, Bulbs, Bedding Plants	2 lbs. per 100 sq. ft. (5' x 20')	Spread over bed area before planting. Work into top 1-2 inches of soil. Plant new seeds or transplants. Water thoroughly.

Measuring cup filled to inner line holds 1/3 cup (2 oz.)

4 ROUNDED TABLESPOONS EQUAL 1/3 cup.

Do not use cups and spoons for food after use with this product - keep for garden use only.

Pesticide-Fertilizer mixture containing 1% DI-SYSTON Insecticide.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING: May be fatal if swallowed or absorbed through skin. Causes eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

Children and pets may enter treated areas after product is worked and watered into the soil and treated area is completely dry. **NOTE:** Product may be attractive to dogs. May be fatal if swallowed. May be absorbed through the skin. Do not breathe dust. Do not get in eyes, on skin or on clothing. Wear rubber gloves when handling. Remove contaminated clothing and wash before use. Wash thoroughly after handling or before smoking or eating. Keep children and pets away from treated area until product is worked and watered into the soil and treated area is completely dry. Food utensils such as a teaspoon or measuring cup should not be used for food purposes after use with this material.

STATEMENT OF PRACTICAL TREATMENT FIRST AID: If swallowed: Call a physician or Poison Control

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Center (1-800-454-2333). 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. If on skin, wash with plenty of soap and water. Get medical attention. If in eyes, flush eyes with plenty of water. Call a physician if irritation persists. If inhaled, remove victim to fresh air. If Swallowed:

Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with a finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. If On Skin: Remove contaminated clothing and wash affected areas with soap and water. If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. If In Eyes: Flush with plenty of water. Call a physician immediately. Note to Physicians: Emergency Information—call 1-800-454-2333.

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.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and wildlife. Do not apply directly to water. 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. Application should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

STORAGE AND DISPOSAL

STORAGE: Store only in original container in a secure, cool, dry place. Keep pesticide in original container. Do not put into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area.

DISPOSAL: PRODUCT—Try to use all of the product or give it to someone who will use it. Partially filled containers may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. CONTAINER—Do not reuse empty container. Wrap in newspaper and discard container in trash.

NOTICE—Buyer assumes all responsibility for safety and use not in accordance with directions.

Medical information call 1-800-454-2333

Product information call 1-800-225-2883

ORTHOD[®] Trademark of Monsanto Company

DI-SYSTON[®] is a Reg. TM Trademark of Bayer AG, Leverkusen

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Manufactured for
The SOLARIS Group
A Division of
The Agricultural Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form 9467—Product 3988
EPA Reg. No. 239-2134-ZA EPA Est. 34704-NB-3

Made in USA

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