

Reg # -59-2134
DAB 17/15

345/138961
17/6

345/139574
17/7

MAR 8 1985

Mr. W. L. Chase
Chevron Chemical Company
ORTHO Agricultural Chemicals Division
940 Hensley Street
Richmond, CA 94804-0036

300/147314
17/9

Dear Mr. Chase:

Subject: Amendments - Alternate Formula and
Associated Labeling
Update Label & add "FEEDS PLANTS"
Child Resistant Packaging Certification
ORTHO Systemic Rose & Flower Care 8-12-4
EPA Registration No. 239-2134
Your submissions dated August 15, August 28, August 29,
September 4, and November 7, 1984

The alternate formula amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Place the entire label in the new format (similar to your November 7, 1984 label for the master formula).
 - b. Revise the third sentence of the If Swallowed advice to read:
"If this is not possible, telephone a physician, or emergency hospital, or Poison Control Center for medical advice."
2. Submit five (5) copies of your final printed labeling before you release the product for shipment under the amended labeling.

A stamped copy of the label is enclosed for your records. The formula statement identified as "Alternate B" has been added to this product's registration file.

The amendment to update the label format, add "FEEDS PLANTS" and revise the back panel highlighted words (which superseded your September 4, 1984 submission) submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you submit five copies of your final printed labeling before you release the product for shipment under the amended labeling. A stamped copy of the label is enclosed for your records.

log # 2372134
10/29/84
mg 2-60

This also serves to acknowledge receipt of the Child Resistant Packaging Certification dated October 1, 1984 and submitted October 29, 1984. This certification that the packaging meets the standards of 40 CFR 162.16(g) has been added to this product's registration file.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

COPY A:

- (1) FEEDS PLANTS
- (2) PROVIDES 6 WEEK ALL WEATHER PROTECTION AGAINST LISTED INSECTS

COPY B:

Systemic Insecticide is Absorbed Into the Plant Through the Root System
and Then Moves Internally Through the Sap Stream.

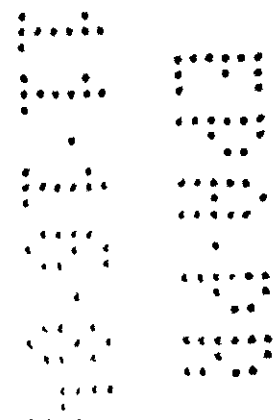
CONFIDENTIAL
PROPERTY OF
CHEVRON CHEMICAL COMPANY
UNTIL ACCEPTED BY EPA

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 8 1985

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

239-2134



COPY B

Systemic chemical is absorbed by roots and moves to all parts of plant through sap stream.

Provides 6 week all weather protection against listed insects.

COPY A

GUARANTEED FERTILIZER ANALYSIS

Total Nitrogen (N) 8%
 5.6% Ammoniacal Nitrogen
 1.1% Urea Nitrogen
 1.3% Water Insoluble Nitrogen
 Available Phosphoric Acid (P₂O₅) 12%
 Soluble Potash (K₂O) 6%

Calcium (Ca) 10.0%
 Magnesium (Mg) 1.0%
 0.5% Water Soluble Mg
 Sulfur (S) as Combined 0.5%
 Boron (B) 0.02%
 Iron (Fe) 0.4%
 Manganese (Mn) 0.05%
 Molybdenum (Mo) 0.0006%
 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

INGREDIENT STATEMENT AS AN INSECTICIDE

Active Ingredient By Wt.
 0,0-Diethyl S-(12-ethoxythio) ethyl phosphorodithioate 1%
 Inert Ingredients 99%
 Equivalent 21 lbs. DI-SYSTON per ton. DI-SYSTON®—Reg. TM of Farbenfabrikation Bayer A.G., Chemagro Corp. licensee

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING: 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

If swallowed give a large amount of water to drink, make person vomit and call a doctor. In case of eye contact, wash eyes immediately with fresh water for 15 minutes. See a doctor if irritation persists. If on skin, wash skin with soap and water. Inhale move to fresh air.

Note to Physicians: Emergency Information—call (415) 233-3722. This product contains a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine but should not be used alone.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

ORTHO Systemic Rose & Flower Care 8-12-4 is 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 which are free from the damage normally caused by sucking insects (aphids, leafhoppers, spider mites) and certain chewing insects.

Systemic means that the insecticide is actually absorbed into the plant through the root system and then moves internally through the sap stream into the branches, leaves, blossoms and new growth.

ORTHO Systemic Rose & Flower Care 8-12-4 protects against insects for six weeks. 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.

ORTHO Systemic Rose & Flower Care 8-12-4, when used as directed, kills the following insects on roses and other flowers and shrubs: Aphids (Plant Lice), Spider Mites, Birch Leafminer, Holly Leafminer, Leafhoppers, Whiteflies, Pine Tip Moth, Lace Bug, Mimosa Webworm.

WHEN TO USE

ORTHO Systemic Rose & Flower Care 8-12-4 should be applied when plants have about one inch of new growth in the spring and at six-week intervals through the summer. 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.

HOW TO USE

ON ESTABLISHED ROSES

For established plants, spread 1/3 cup (2 or 3) evenly around the base of each plant and work into 1 to 2 inches of soil. Water thoroughly. Avoid contact with hands. Do not use around fruit trees or vegetable plants. Do not broadcast applications to lawn.

WHEN PLANTING NEW BUSHES

After planting, mix 1/4 cup in the top 2" of soil. 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' x 20') 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 one level teaspoonful per six-inch pot by punching a number of small holes into the soil. Pour granules into the holes and thoroughly water the plants.

ON ORNAMENTAL SHRUBS

Apply 2/3 cupful (4 or 5) for each foot of shrub height (2 cupfuls for a 3-foot high shrub). Distribute the required amount evenly from the base to the drip line of all sides of the plant. Work into the top 1 to 2 inches of soil and water thoroughly.

4 ROUNDED TABLESPOONS EQUAL 1/2 cup.

PESTICIDE-FERTILIZER MIXTURE contains 1% DI-SYSTON insecticide.

STORAGE AND DISPOSAL

STORAGE: 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—Partially filled canister may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. CONTAINER—Do not reuse empty canister. Discard canister in trash.

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

Chevron Chemical Company • 1984
 Ortho Consumer Products Division
 San Francisco CA 94120-7144 Richmond CA 94804-0038
 Form 9458-K Product 3588 Made in U.S.A.
 EPA Reg. No. 230-2121 ZA EPA Est. 230-1A-1

NOTE: THIS PACKAGE IS FILLED TO PROPER WEIGHT, BUT VARIATION IN PRODUCT DENSITY MAY CAUSE VARYING FILL LEVELS IN CAN.

TO OPEN—LIFT OUT MEASURING CUP WITH SCREW-DRIVER—REPLACE CUP FIRMLY AFTER USE.



ORTHO

**Systemic
& Flower
8-12-4**

**Plant Food
With Systemic Insecticide
Six Week Systemic Act**



INGREDIENT STATEMENT AS AN INSECTICIDE

Active Ingredient
 0,0-Diethyl S-(12-ethoxythio) ethyl phosphorodithioate
 Inert Ingredients
 DI-SYSTON insecticide

Keep out of reach of children
WARNING:

See back panel for additional information

NET WT. 2 LBS.



Reg 237-2134
Pm 15
no 5005



ORTHO

Systemic Rose & Flower Care 8-12-4



Plant Food
With Systemic Insecticide
Six Week Systemic Action



INGREDIENT STATEMENT AS AN INSECTICIDE

Active Ingredient: 2,2-Dimethyl-4-methyl-5-phosphorodithiophosphate
Inert Ingredients: 24.5%
DI-SYSTON[®] Insecticide

Keep out of reach of children

WARNING

See back panel for additional precautionary statements

NET WT. 2 LBS.

NOTE: THIS PACKAGE IS FILLED TO PROPER WEIGHT BUT VARIATION IN PRODUCT DENSITY MAY CAUSE VARYING FILL LEVELS IN CAN.

TO OPEN—LIFT OUT MEASURING CUP WITH SCREW-DRIVER—REPLACE CUP FIRMLY AFTER USE.

Water is absorbed by roots and moves to all parts of plant through sap stream.

Provides all weather protection against listed insects.

ANALYSIS

Hydrogen	8%
Nitrogen	12%
Phosphorus (P ₂ O ₅)	9%
Potassium (K ₂ O)	100%
Calcium	0%
Magnesium	95%
Sulfur	0.02%
Iron	0.4%
Manganese	0.05%
Zinc	0.0008%
Copper	0.05%

From Urea, Urea Formaldehyde, Ammonium Sulfate, Superphosphate, Ammonium Phosphate and Muriate

Trace Nutrients from Superphosphate, Magnesium Sulfate, Iron Sulfate, Sodium Borate, Manganese Sulfate and Zinc Oxide

Calcium Carbonate Equivalent per ton 3.1%

AS AN INSECTICIDE

Ortho (thio) ethyl phosphorodithioate	By Wt. 1%
DI-SYSTON per ton	99%

DI-SYSTON[®] Reg. TM of Farbenfabriken Bayer A.G.

PRECAUTIONARY STATEMENTS

DOMESTIC ANIMALS

May be fatal if swallowed. May be absorbed through the skin. Do not breathe dust. Do not get in eyes, on rubber gloves when handling. Remove contaminated clothing and wash before use. Wash thoroughly before eating. Keep children and pets away from treated area until product is worked and watered. Area is completely dry. Food utensils such as a teaspoon or measuring cup should not be used for food or this material.

First Aid

In case of eye contact, wash eyes immediately with water to drink, make person vomit and call a doctor. In case of eye contact, wash eyes immediately with water to drink, make person vomit and call a doctor. In case of eye contact, wash eyes immediately with water to drink, make person vomit and call a doctor.

Emergency Information—call (415) 233-3737. This product contains a cholinesterase inhibitor. If signs of poisoning, atropine is antidote. 2-PAM may also be used in conjunction with atropine but should not be used alone.

POISON: This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply to contaminated water by cleaning of equipment or disposal of wastes.

Do not use this product in a manner inconsistent with its labeling.

USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Ortho Flower Care 8-12-4 is an effective systemic insecticide combined with a fertilizer containing the three elements, Nitrogen, Phosphate and Potash. This combination provides the proper amount of plant food and necessary to maintain strong, vigorous plants which are free from the damage normally caused by sucking insects, spider mites and certain chewing insects. Insecticide is actually absorbed into the plant through the root system and then moves internally through branches, leaves, blossoms and new growth.

Ortho Flower Care 8-12-4 protects against insects for six weeks. It cannot be washed off by rain or sprinkling. This unique action protects all surface areas, including undersides of leaves and blossoms. Even insects from insect damage.

Ortho Flower Care 8-12-4, when used as directed, kills the following insects on roses and other flowers and shrubs: Spider Mites, Birch Leafminer, Holly Leafminer, Leafhoppers, Whiteflies, Pine Tip Moth, Lace Bug.

Ortho Flower Care 8-12-4 should be applied when plants have about one inch of new growth in the spring and throughout the summer. In addition to control of insects for six weeks, your plants will be provided with the proper nutrients to maintain strong, vigorous growth.

For trees, spread 1/3 cup (2 oz.) evenly around the base of each plant and work into 1 to 2 inches of soil. Water thoroughly. Do not use around fruit trees or vegetable plants. Do not broadcast applications to lawn.

For shrubs, spread 1/3 cup (2 oz.) evenly around the base of each plant and work into 1 to 2 inches of soil. Water thoroughly. Do not apply additional fertilizer for about six weeks.

PLANTING PLANTS

For 15" x 20" 101 bed area. Work into top 1 to 2 inches of soil. Plant seed or set plants and water thoroughly. Fertilizer for about 6 weeks.

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Chemical Company 1964

Richmond, CA 94804-0036
Made in U.S.A.
EPA Est. 233-1A-1

