



7. The primary dermal irritation study is supplementary because the granules were not moistened as called for in the Guidelines.
8. The eye irritation study is invalid because the report contains conflicting statements about the observations. The results in paragraph on page 2 indicates that no iritis occurred. However, Table 1 on page 3 indicates that 2 rabbits had grade 1 iritis. Also, the method of ophthalmic examination was not reported.
9. The inhalation toxicity study is invalid because the temperature, relative humidity, particle sizes and actual concentrations in the breathing zone of the animals were not reported. Also, the duration of exposure was inadequate.
10. It is noted that a skin sensitization study was not submitted.

The confirmation of the identity of the source of the active ingredient is noted. The typographical error on the EPA Registration Number of the source material has been corrected.

The revised finished labeling showing the master formula declarations of Calcium, Magnesium, and Sulfur submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy of the label is enclosed for your records. At the next label printing please delete "Directions" that currently appears above "WHEN TO USE".

The alternate formula declaring differences in the amount of Calcium, Magnesium, and Sulfur is acceptable and has been added to this product's registration file.

The draft labeling showing the alternate formula declarations of Calcium, Magnesium, and Sulfur submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided you submit five copies of finished labeling incorporating the revised declaration and delete "Directions" that currently appears above "WHEN TO USE" prior to release for shipment under the amended labeling. A stamped copy of the label is enclosed for your records.

Sincerely yours,

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

P.S. Please note that the results of the acute oral toxicity test qualifies this formulation as a Restricted Use product. This should receive your immediate attention. Also refer to the Disulfoton Registration Standard issued January 18, 1985 for more information in this regard.



# ORTHO

## 3-Way Rose and Flower Care

BEST AVAILABLE COPY

LISTED  
EVENTS  
for Dates

7 1985

Product  
Trade Name  
EPA Reg. No.  
2092

- 1. Plant Food 8-12-4
  - 2. Systemic Insecticide
  - 3. Weed and Grass Preventer
- Six Week Systemic Action

FREE  
MEASURING  
CUP IN  
TOP



# ORTHO 3-Way Rose and Flower Care

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

Feeds Plants, Kills Sucking Insects, Prevents Weeds

8-12-4

BEST AVAILABLE COPY

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

## GUARANTEED FERTILIZER ANALYSIS

|                                                            |         |
|------------------------------------------------------------|---------|
| Total Nitrogen (N)                                         | 8%      |
| 5.8% Ammoniacal Nitrogen                                   |         |
| 1.1% Urea Nitrogen                                         |         |
| 1.1% Water Insoluble Nitrogen                              |         |
| Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ) | 17%     |
| Soluble Potash (K <sub>2</sub> O)                          | 4%      |
| Calcium (Ca)                                               | 10.8%   |
| Magnesium (Mg)                                             | 1.8%    |
| 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)                                            | 0.0005% |
| 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 808 lbs. Calcium Carbonate Equivalent per ton

## INGREDIENT STATEMENT AS AN INSECTICIDE-HERBICIDE

| Active Ingredients                                                 | By Wt.  |
|--------------------------------------------------------------------|---------|
| *O,O-dimethyl S-(2-(ethylthio) ethyl) phosphorodithioate           | 1.000%  |
| trifluralin (a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine) | 0.174%  |
| Inert Ingredients                                                  | 98.826% |

\*DI-SYSTON® — Reg. TM of Farbenfabriken 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 on eyes, skin or clothing. Wear rubber gloves when handling. Remove contaminated clothing and wash before use. Wash hands thoroughly after handling and 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. Note to Physicians: Emergency Information — call (415) 733-3737. 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.

**Kills Sucking Insects** — DI-SYSTON® a systemic insecticide, is absorbed into the plant through the root system and then moves internally through the sap stream into the branches, leaves and blossoms. Sucking insects that tap the plant's sap stream for food are quickly killed by the insecticide. Protects against insects for at least 6 weeks. It cannot be washed off by rain or sprinkling, since the protection is internal. All surface areas, including undersides of leaves and new growth, are protected from insect damage.

**INSECTS KILLED:** Aphids (Plant Lice), Spider Mites, Leafhoppers, Whiteflies, Lace Bugs, Holly Leafminers, Birch Leafminers, Minnow Webworms, Pine Tip Moths.

**Prevents Weeds** — Provides long-lasting weed control. More than two dozen different kinds of annual grasses and broadleaf weeds (listed below) are killed by trifluralin as they germinate. Trifluralin will not kill established weeds. When used as directed it will prevent the re-growth of weeds from seed.

**WEEDS CONTROLLED:** Crabgrass, Barnyardgrass, Foxtail, Johnsongrass (from seed), Gay vegetation, Annual Bluegrass, Stinkgrass, Bromegrass, Junglerice, Sprangletop, Cheat, Papaweed (Spiny and Redroot), Carobwood, Lambquarters, Corncockle, Russian Thistle, Kochia, Purslane, Florida Purslane (Pursley), Knotweed, Stinging Nettle, Goosefoot, Chickweed, Punctureweed, Texas Panicum, Sandbar.

**Feeds Plants** — A modern fertilizer that supplies the nitrogen, phosphate and potash plus minor elements to maintain strong, healthy, beautiful roses and other ornamental plants.

### DIRECTIONS

#### WHEN TO USE

Make first application after cultivating and before weed seeds germinate (when roses have about 1" of new growth). Repeat every 6 weeks or 2 to 3 times each season. Do not apply additional fertilizer for 6 weeks following this treatment.

#### NOW TO USE

Remove all weeds before treating. Cultivate soil around plant. Apply ORTHO 3-Way Rose and Flower Care evenly at dosages given below. Work granules into top 1 inch of soil. Water thoroughly. Do not apply in planting holes.

**ROSES** (established or newly planted rose bushes):  
Apply 4 oz. around each rose bush to cover a 9 sq. ft. (3' x 3') area.

**ESTABLISHED BEDDING PLANTS, FLOWERS AND GLADIOLI:**  
Apply 4 oz. to cover a 9 sq. ft. area (2 lbs. per 80 sq. ft. (4' x 20')). Do not use when planting seed.

**ORNAMENTAL SHRUBS:**  
Apply 4 oz. for each 9 sq. ft. (3' x 3') occupied by plant. NOTE: Applied as directed, this product will not harm beneficial or pollinating insects.

**NOTE:** Do not apply to areas where roots of fruit trees, vegetable or other food crops may extend. Do not broadcast applications to lawn. Do not apply to Amaranthus, Celosia, Coleus, Pilea, Perfoliata, Ager or Portulaca.

### STORAGE AND DISPOSAL

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

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

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

**Chevron Chemical Company** • 1984

Orto Consumer Products Division  
San Francisco CA 94130-7144 Richmond CA 94804-8828  
Product 3888 Made in U.S.A.  
Form 9484-M EPA Est. 230-1A-1  
EPA Reg. No. 230-2282-AA



Approved with Original EPA Label

FEB 2 1984

239-2

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# ORTHO

## 3-Way Rose and Flower Care

BEST AVAILABLE COPY

1. Plant Food 8-12-4
  2. Systemic Insecticide
  3. Weed and Grass Preventer
- Six Week Systemic Action

FREE  
MEASURING  
CUP IN  
TOP



71985  
EPA Reg. No. 2092

# Flower Care

PRODUCT DENSITY  
MAY CAUSE VARY-  
ING FILL LEVELS IN  
CAN.

Feeds Plants, Kills Sucking Insects, Prevents Weeds

8-12-A

**BEST AVAILABLE COPY**

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

**GUARANTEED FERTILIZER ANALYSIS**

|                                                            |         |
|------------------------------------------------------------|---------|
| Total Nitrogen (N)                                         | 8%      |
| 1.6% Ammoniacal Nitrogen                                   |         |
| 1.1% Urea Nitrogen                                         |         |
| 1.3% Water Insoluble Nitrogen                              |         |
| Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> ) | 17%     |
| Soluble Potash (K <sub>2</sub> O)                          | 4%      |
| Calcium (Ca)                                               | 10.5%   |
| Magnesium (Mg)                                             | 1.8%    |
| 0.5% Water Soluble Mg                                      |         |
| Boron (B)                                                  | 0.05%   |
| Iron (Fe)                                                  | 0.4%    |
| Manganese (Mn)                                             | 0.06%   |
| Molybdenum (Mo)                                            | 0.0004% |
| Zinc (Zn)                                                  | 0.05%   |

Primary Nutrients from Urea, Urea Formaldehyde, Ammonium Sulfate, Ammoniated Superphosphate, Ammonium Phosphate and Murate 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 2.1%

Personal Acidity 800 lbs. Calcium Carbonate Equivalent per ton

**INGREDIENT STATEMENT AS AN INSECTICIDE-MEDICINE**

|                                                                   |         |
|-------------------------------------------------------------------|---------|
| Active Ingredients                                                | By Wt.  |
| 2,6-diethyl S-(2-isothiazyl) ethyl phosphorothioate               | 1.000%  |
| trifluralin (4,4,4-trifluoro-2,6-dinitro-N,N-dipropyl-pyrazoline) | 0.170%  |
| Inert Ingredients                                                 | 98.830% |

DI-SYSTON® — Reg. TM of Farbwerkefabrik Bayer A.G., Chemsig Corp. Licensee

**PRECAUTIONARY STATEMENTS**

HAZARD TO HUMANS & DOMESTIC ANIMALS

**WARNING:** May be fatal if swallowed. May be absorbed through the skin. Do not breathe dust. Do not get on eyes, skin or clothing. Wear rubber gloves when handling. Remove contaminated clothing and wash before use. Wash hands thoroughly after handling and before smoking or eating. Keep children and pets away from treated area until product is worked and watered into a soil and treated area is completely dry. Food animals such as a teaspoon of measuring cup should not be used for food purposes. Do not 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. Note to Physician: Emergency Information — call (415) 233-3737. This product contains a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, stop use of product. 2-PAM may also be used in conjunction with stopping 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 material.

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**INSECTS KILLED:** Aphids (Plant Lice), Spider Mites, Leafhoppers, Whiteflies, Lace Bugs, Holly Leafminers, Birch Leafminers, Mamee Whiteflies, Pine Tip Moths.

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**Feeds Plants** — A modern fertilizer that supplies the nitrogen, phosphate and potash plus minor elements to maintain strong, healthy, beautiful roses and other ornamental plants.

**DIRECTIONS**

**WHEN TO USE**

Make first application after cultivating and before weed seeds germinate. First roses have about 1" of new growth. Repeat every 6 weeks or 2 to 3 times each season. Do not apply additional fertilizer for 6 weeks following this treatment.

**HOW TO USE**

Remove all weeds before treating. Cultivate soil around plant. Apply ORTHO 3-Way Rose and Flower Care evenly at dosage given below. Work granules into top 1 inch of soil. Water thoroughly. Do not apply in planting holes.

**ROSES** (established or newly planted rose bushes):

Apply 4 oz. around each rose bush to cover a 9 sq. ft. (3' x 3') area.

**ESTABLISHED BEDDING PLANTS, FLOWERS AND SHRUBS:**

Apply 4 oz. to cover a 9 sq. ft. area (2 lbs. per 18 sq. ft. (6' x 3') area). Do not use when planting seed.

**ESTABLISHED BEDDING PLANTS:**

Apply 4 oz. for each 9 sq. ft. (3' x 3') occupied by plant. NOTE: As fed as directed, this product will not harm beneficial or pollinating insects.

**NOTE:** Do not apply to areas where roots of fruit trees, vegetables or other food crops are exposed. Do not broadcast applications in lawns. Do not apply around Amaranthus, Celosia, Coleus, Hibiscus, Portulaca, Agrostis or Paspalum.

**STORAGE AND DISPOSAL**

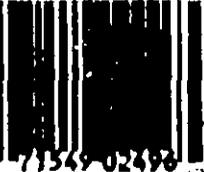
Keep pesticide in original container. Do not put into food or drink containers. Avoid contamination of food and feedstuffs. Store in a cool, dry place, preferably in a locked storage area.

**DISPOSAL:** If RESIST — Partially filled container may be disposed of by securely wrapping original cover-liner in several layers of newspaper and discard in trash. CONTAINER — Do not re-use empty container. Discard container in trash.

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

**Chevron Chemical Company**

Ortho Consumer Products Division  
San Francisco CA 94128-7544 Richmond CA 94604-0805  
Product 8099 Made in U.S.A.  
Form 0484-M EPA Est. 230-14-1  
EPA Reg. No. 230-2307-AA



FEB 20 1985

U.S. ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF PUBLIC AFFAIRS  
WASHINGTON, D.C. 20460

FOR IMMEDIATE RELEASE

February 19, 1985

Subject: [Illegible]

Re: [Illegible]

[Illegible]

[Illegible]

[Illegible]

FOR THE DIRECTOR

[Illegible]

[Illegible]