



# ORTHO

FREE  
Shaker  
Measuring Cup  
In Top

## ORTHENE® Systemic Rose & Flower Care 8-8-8

Protects and Feeds—Roses, Flowers, Shrubs, Trees  
Kills both chewing and sucking insects (as listed)

New Systemic Insecticide  
Protects Plants up to 6 Weeks

### INGREDIENT STATEMENT AS AN INSECTICIDE

Active Ingredient	By Wt.
*Acephate (O,S-Dimethyl acetylphosphoramidothioate)	1.5%
Inert Ingredients	98.5%
*U.S. Patent No. 3,716,600	

Keep out of reach of children

### CAUTION

See back panel for additional precautionary statements.

## NET WT. 5 LBS.

**ACCEPTED**

MAY 25 1979

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under 239-2453

**PRECAUTIONARY STATEMENTS**  
**HAZARD TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION:**  
Harmful if absorbed through skin. Avoid breathing dust. Avoid contact with skin, eyes or clothing. In case of contact, immediately flush eyes and skin with plenty of fresh water. For eyes, obtain medical attention if irritation persists.  
Note to Physicians: Emergency Information—call (415) 233-3737.

**ENVIRONMENTAL HAZARD**  
Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

**GUARANTEED FERTILIZER ANALYSIS**

Total Nitrogen (N)	8%
4.5% Ammoniacal Nitrogen	
3.5% Nitrate Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	8%
Soluble Potash (K <sub>2</sub> O)	8%
Calcium (Ca)	10%
Magnesium (Mg)	5%

Primary Nutrients from Ammonium Nitrate, Ammonium Phosphate, Ammoniated Superphosphate and Muriate of Potash  
Secondary and Trace Nutrients from Superphosphate and Dolomitic Limestone  
Potential Basicity 600 lbs. Calcium Carbonate Equivalent per ton.

Systemic chemical is absorbed by roots and moves to all parts of plant through sap stream. Provides up to 6 week protection against listed insects.

**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.

ORTHENE Systemic Rose & Flower Care 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 protected from the damage normally caused by sucking insects (aphids, lacebugs, leafhoppers, Cuban laurel thrips) and certain chewing insects (leafminers, leaf beetles, leaf-tiers and worms) as listed.

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 and new growth.  
ORTHENE Systemic Rose & Flower Care protects against insects for up to 6 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. Even new growth is fully protected from insect damage.  
ORTHENE Systemic Rose & Flower Care, when used as directed, kills the following insects on roses and other flowers, shrubs and small trees as listed below:

Insect	Hosts
Aphids (Plant Lice)	Roses*, Viburnum, Chrysanthemum, Birch, Snapdragon, Petunia, Ageratum, Salvia, Spirea, Photinia, Crapemyrtle
Leafminers (See NOTE)	Holly, Yaupon, Birch, Zinnia
Leafhoppers	Dahlia**, Aster, Marigold, Zinnia
Lacebugs	Sycamore**, Pyracantha**, Azalea
Leaf-tier (Larvae)	Cherry Laurel**
Maple Shoot Moth	Maple**
Cuban Laurel Thrips	Cuban Laurel (Ficus)
Dusky Birch Sawfly	Birch
Leaf Beetles (larvae)	Elm, Willow
Loopers	Petunia, Dahlia**
Obscure Root Weevil (adults)	Azalea***, Rhododendron***

\*Apply 2 applications in the spring (6 weeks apart) at the first sign of new growth and one additional application in the fall to control aphids. Do not exceed 3 applications per year. A slight marginal tip burn may result on leaves of sensitive varieties of roses.

\*\*Do not exceed 3 applications per year.  
\*\*\*Apply in late spring (May) and repeat at 4 to 6 week intervals through September. Mid-July through August are the peak feeding times.

### WHEN TO USE

ORTHENE Systemic Rose & Flower Care should be applied when plants first begin to grow in the spring. In addition to control of insects, your plants will be provided with the proper amount of plant food necessary to maintain strong, vigorous growth. Do not apply ORTHENE Systemic Rose & Flower Care to newly planted roses in sandy soils.

NOTE: For Birch Leafminer control, apply in early spring when leaves are unfolding (leaf puncture stage), or at the earliest sign of leaf damage. Repeat application in 4 to 6 weeks for second generation.

### HOW TO USE

**ON ESTABLISHED ROSES:** At first signs of new growth, spread 1 shaker cup (3.3 oz.) evenly over an area 3' x 3' (9 sq. ft.) around the base of each plant and work into 1 to 2 inches of soil. Water thoroughly to carry the systemic control deep into the root zone. Repeat application at 4 to 6 weeks if necessary in the spring and again in the fall. Do not make multiple application in the spring on sandy soils as injury may occur. Do not get granules on wet foliage.

**WHEN PLANTING NEW ROSE BUSHES:** Do not apply to newly planted roses until they have become well established, or have been planted in the ground for 3 months. Then proceed the same as for Established Roses.

**ON FLOWERS:** Apply 3 shaker cups (10 oz.) per each 25 sq. ft. (5' x 5') 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. Do not get on foliage when foliage is wet.

**ON ORNAMENTAL SHRUBS AND SMALL TREES (Under 10 to 12 Feet High):** Apply 3 shaker cups (10 oz.) per each 25 sq. ft. (5' x 5') over the root zone of plants to be treated. Distribute the required amount evenly from the base to the drip line on all sides of the plant. In cultivated areas, work into the top 1 to 2 inches of soil and water thoroughly. In lawn areas, water thoroughly after application to carry the systemic action into the root zone. Do not get granules on wet foliage.

### STORAGE AND DISPOSAL

Keep product in original container. Do not contaminate food or feed by storage, disposal or cleaning of equipment. Do not reuse empty container. Wrap container and put in trash collection.

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

### Chevron Chemical Company

Ortho Division/San Francisco, CA 94119 Richmond, CA 94804  
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