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# ORTHO

# Systemic Rose & Flower Care 8-12-4

**GUARANTEED FERTILIZER ANALYSIS, MIN.**

Total Nitrogen (N)	8%
5.6% Ammoniacal Nitrogen	
1.1% Water Soluble Nitrogen from Ureas	
1.3% Water Insoluble Nitrogen	
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	12%
Soluble Potash (K <sub>2</sub> O)	4%
Primary Nutrients from Urea, Ureaform, Ammonium Sulfate, Ammoniated Superphosphate, Ammonium Phosphate and Muriate of Potash	
Calcium (Ca)	10.0%
Magnesium (Mg)	1.0%
Sulfur (S)	9.5%
Boron (B)	0.02%
Iron (Fe)	0.4%
Manganese (Mn)	0.05%
Molybdenum (Mo)	0.0008%
Zinc (Zn)	0.05%
Secondary and Trace Nutrients from Sulfate Salts, Magnesium Oxide and Fritted Sources	
Potential Acidity 600 lbs. Calcium Carbonate Equivalent per ton	

**INGREDIENT STATEMENT AS AN INSECTICIDE**

Active Ingredient	By Wt.
*O,O-diethyl S-[2-(ethylthio) ethyl] phosphorodithioate†	1%
Inert Ingredients	99%

†U.S. Pat. No. 2,759,010  
\*DI-SYSTON is the registered trademark of Farbenfabriken Bayer A.G., Chemagro Corp. licensee.

	<p>Systemic chemical is absorbed by roots and moves to all parts of plant through sap stream.</p> <p>Provides 6 week all weather protection against listed insects.</p>	
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**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS, WARNINGS AND DIRECTIONS.**  
KEEP PESTICIDE IN ORIGINAL CONTAINER.

**DIRECTIONS**

ORTHO 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 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 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, when used as directed, kills the following insects on roses and other flowers and shrubs: Aphids (Plant Lice), Spider Mites, Birch Leaf Miner, Holly Leaf Miner, Leafhoppers, White Flies, Pine Tip Moth, Lace Bug, Mimosa Webworm.

**WHEN TO USE**

ORTHO Systemic Rose & Flower Care 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 1/4 cup (2 ozs.) evenly around the base of each plant and work into 1 to 2 inches of soil. Water thoroughly. Avoid contact with hands.

**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 1/2 cupful (4 ozs.) 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 on 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

**WARNING:** May be fatal if swallowed. This product contains an organic phosphate which is cholinesterase inhibitor. If swallowed, induce vomiting and call a physician immediately. Note to Physician: Antidote—Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Do not breathe dust. May be absorbed through the skin. Avoid contact with skin, eyes and clothing. Poisoning may occur as a result of exposure. Wash hands thoroughly after handling. Keep children and pets away from treated area until product is worked and watered into the soil and treated area is completely dry.

Do not contaminate feed or food. Food utensils such as a teaspoon or measuring cup should not be used for food purposes after use with insecticide.

Do not use around fruit trees or vegetable plants. Do not broadcast applications to lawn.

Do not re-use container for any purpose. Dispose of container promptly when empty.

Do not contaminate fish ponds.

**NOTICE**

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

## Chevron Chemical Company

Ortho Division/San Francisco, California 94120  
Lafayette, Calif., Des Plaines, Ill., Perth Amboy, N.J., Atlanta, Ga.  
Form Gen. 7309-E USDA Reg. No. 239-2134 Product 3988 Made in U.S.A.