



ORTHO ORTHENE[®] Systemic Insect Control

Makes Up To
32 Gallons
Spray

Contains Acephate* New Systemic Insecticide

CONTROLS: Aphids, Armyworms, Bagworm, Budworms, Cankerworms, Cuban Laurel Thrips, Flower Thrips, Leafminers, Leafroller, Leaf-tiers, Loopers, Mealybugs, Pine Tip Moth, Psyllids, Root Weevil, Rose Midge, Sawflies, Spittlebug, Scale (crawlers), Tent Caterpillars, Webworms, Whitefly and other listed leaf eating caterpillars and worms.

ON: Roses, Flowers, Ornamentals, Shrubs and Trees

Active Ingredient	By Wt.
*Acephate (O,S dimethyl acetylphosphoram dothioate)	5.4%
Inert Ingredients	94.6%
*U.S. Pat. No. 3,716,600	

Keep out of reach of children

WARNING

See back panel for additional precautionary statements

NET CONTENTS 1 QUART LIQUID

ACCEPTED
AUG 3 1979
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 239-2461

ORTHENE® Systemic Insect Control

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS & DOMESTIC ANIMALS

WARNING:

Causes eye irritation. Harmful if swallowed. Do not get in eyes. Avoid contact with skin or clothing. Avoid breathing vapor or spray mist. In case of eye contact, flush eyes with fresh water for 15 minutes and get medical attention immediately. If swallowed, promptly drink a large quantity of water and induce vomiting. Get medical attention immediately. Wash skin and hands thoroughly after using. **Note to Physicians:** Emergency Information - call (415) 233-3737. This product contains a cholinesterase inhibitor. If signs and symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM may also be given in conjunction with atropine.

ENVIRONMENTAL HAZARD

Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS.

ORTHENE Systemic Insect Control effectively controls many of the insects that attack roses, flowers, ornamentals, shrubs and trees. ORTHENE Systemic Insect Control kills insects that are present and remains effective for an extended period of time because it is systemically absorbed by plants.

DIRECTIONS

Mix thoroughly and spray entire plant covering both sides of foliage thoroughly. For specific directions see below and refer to pamphlet. May be applied with an ORTHO SPRAY-ETTE, ORTHO Lawn & Garden Sprayer, tank type or power sprayer.

Rate to Apply - Aphids on Roses, Flowers, Shrubs, and other plants as listed in pamphlet. Apply 2 Tablespoonfuls (1 fl. oz.) to 1 gal. water. Spray as aphids appear. Repeat if reinfestation occurs.

All Other Listed Pests on Roses, Flowers, Shrubs, and other plants as listed in pamphlet. Apply 3 Tablespoonfuls (1½ fl. oz.) to 1 gal. water. Spray when insects are present or feeding injury is first noticed. Repeat if reinfestation occurs.

For Mealybugs, Flower Thrips, Whiteflies, Scales and other hard-to-control pests on Roses, Flowers, Shrubs, and other plants as listed in pamphlet - Spray 2 to 3 times about 7 to 10 days apart. For best results apply at first sign of infestation. Additional sprays may be needed if plants become reinfested.

COMBINATION SPRAY WITH FUNGICIDE OR FERTILIZER ON ROSES

ORTHENE Systemic Insect Control may be used together with PHALTAN Rose & Garden Fungicide or ORTHO-CIDE Garden Fungicide or ORTHO Rose & Flower Food 8-12 4 (Liquid) at the rates recommended on each product label.

Apply fungicides on a regular schedule for disease control; add ORTHENE Systemic Insect Control only when necessary for insect control. Do not apply more than two consecutive applications of ORTHENE Systemic Insect Control in combination with any of the above fungicides.

NOTE: Apply this product only as specified on this label. Do not apply to American Elm, Flowering Crabapple, Sugar Maple, Red Maple, Cottonwood, Redbud and Weigelia as foliage injury may occur. Clean sprayer after use by flushing with water, do not use household bleach as a cleaning agent.

STORAGE AND DISPOSAL

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not contaminate food or foodstuffs. 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
Product 5318 Made in U.S.A.
Form 9557-B
EPA Reg. No. 239-2461

ORTHENE® Systemic Insect Control

Contains Acephate® New Systemic Insecticide

CONTROLS: Aphids, Armyworms, Bagworm, Budworms, Cankerworms, Cuban Laurel Thrips, Flower Thrips, Leafminers, Leafroller, Leaf-tiers, Loopers, Mealybugs, Pine Tip Moth, Psyllids, Root Weevil, Rose Midge, Sawflies, Spittlebug, Scale (crawlers), Tent Caterpillars, Webworms, Whitefly and other listed leaf eating caterpillars and worms.

ON: Roses, Flowers, Ornamentals, Shrubs and Trees

Active ingredient By Wt.
Acephate (O,S-dimethyl acetylphosphoramide-thioate) 9.4%
Inert ingredients 90.6%
U.S. Pat. No. 3,716,600

WARNING: Keep out of reach of children.

READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS.

ORTHENE Systemic Insect Control effectively controls many of the insects that attack roses, flowers, ornamentals, shrubs and trees. ORTHENE Systemic Insect Control kills insects that are present and remains effective for an extended period of time because it is systemically absorbed by plants.

DIRECTIONS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Mix thoroughly and spray entire plant covering both sides of foliage thoroughly. For specific directions refer to table below. May be applied with an ORTHO SPRAYETTE, ORTHO Lawn & Garden SPRAYER, tank type or power sprayer. Do not store diluted spray.

Special Directions: For control of Ob-scure Root Weevil (adults) - Apply full coverage spray to the foliage in late spring as soon as feeding is noticed (usually about May). Repeat every four weeks through September. (Mid-July through August are the peak feeding times.)

APHIDS

Rate to Apply: Apply 2 Tablespoonfuls (1 fl. oz.) to 1 gal. water. Spray as aphids appear. Repeat if reinfestation occurs.

PEST PLANTS	
Aphids	Birch, Calendula, Carnation, Chrysanthemum, Fir, Flowering Almond, Gloxinia, Hawthorn, Ivy, Maple, Mock Orange, Oak, Palm, Periwinkle, Photinia, Pittosporum, Primrose, Pyracantha, Rose, Snapdragon, Spirea, Tulip, Viburnum

ALL OTHER LISTED PESTS:
Rate to Apply: Apply 3 Tablespoonfuls (1½ fl. oz.) to 1 gal. water. Spray when insects are present or feeding injury is first noticed. Repeat if reinfestation occurs.

PEST PLANTS	
Armyworms (Southern)	Aster, Calendula, Chinese Elm, Crapemyrtle, Dahlia
Fall Beet and Yellow-striped)	Petunia, Rose, Snapdragon
Bagworm	Arboretum Cedar, Bald Cypress, Juniper, Maple, Pine, Sweet Gum, Sycamore, Willow
Budworms (Corn Ear-worm, Rose)	Calendula, Petunia, Geranium, Rose
Canker-worm (Fall)	Cockspur Thorn, Hawthorn, Maple, Silver Maple
Cuban Laurel Thrips	Cuban Laurel (Ficus)
Catalpa Sphinx Moth	Catalpa
Case-bearers	Shippery Elm, Sycamore
Fall Webworm	Birch
Gypsy Moth	Ash, Birch, Cedar, Hawthorn, Hemlock, Maple, Oak, Pine, Poplar, Sassafras, Spruce, Willow
Hornworm	Ash
Lace Bugs	Azalea, Alder, Birch, Cotoneaster, Oak, Pyracantha, Rhododendron, Sycamore, Zinnia
Leafhoppers	Boston Ivy, Dahlia (Potato & Grape)
Leafbeetles (Larvae) (Elm Willow and Willow)	Elm (Chinese or Siberian)
Leafroller (Oblique banded)	Begonia, Carnation, Flowering Cherry, Oak, Oleander, Rose, Spirea, Staghorn Sumac
Leafminers	Alder, Aster, Birch, Marigold, Oak, Spruce, Zinnia
Leaf-tiers	Euonymus, Cherry Laurel (Omnivorous, Maple Cherry Laurel)
Loopers (Cabbage)	Ornamental Cabbage, Petunias
Green Striped Maple Worm/Maple Shoot Moth	Maple
Mimosa Webworm	Honey Locust, Mimosa
Nantucket Pine Tip Moth	Pine
Oak Webworm	Oak
Oleander Caterpillar	Oleander
Orange-striped Oakworm	Oak
Obscure Root Weevil (Adults)	Azaleas, Rhododendrons, See Special Directions.
Psyllids	Hackberry, Holly, Willow, Yaupon
Rose Midge	Rose

PEST PLANTS	
Sawflies (Dusky Birch, Blackheaded Ash, Red-headed Pine and European Pine)	Ash, Birch, Pine
Spittlebugs	Chrysanthemum, Juniper, Rose
Sunflower Moth	Marigolds
Tent Caterpillars (Eastern, Western and Forest)	Alder, Ash, Birch, Flowering Cherry, Flowering Plum, Hawthorn, Maple, Oak, Poplar, Willow
Tentmaker (Poplar)	Poplar, Willow
Tussock Moth (White-marked)	Birch, Elm (Chinese or Siberian), Linden, Maple, Oak, Poplar, Rose, Sycamore, Willow, Wild Cherry
Yellow-necked Caterpillar	Birch, Linden, Oak, Pyracantha

FOR THE FOLLOWING HARD TO CONTROL PESTS -

Spray 2-3 times about 7-10 days apart. For best results apply at first sign of infestation. Additional sprays may be needed if plants become reinfested.

PEST PLANTS	
Mealybugs (Taxus, Citrus, Longtailed Solanum)	Aluminum Plant, Ardisia, Asparagus Fern, Azalea, Begonia, Bird of Paradise, Camellia, Chrysanthemum, Coleus, Croton, Dieffenbachia, Dracena, False Aralia, Gardenia, Ivy, Nephthytis, Oleander, Ivy, Philodendron, Poinsettia, Purple Passion, Schefflera, Wandering Jew, Wisteria, Yew (Taxus)
Flower Thrips	Ageratum, Alyssum, Aster, Calendula, Carnation, Chrysanthemum, Daisy, Gardenia, Gladiolus, Marigold, Oleander, Petunia, Rose, Salvia, Snapdragon, Yucca, Zinnia
Gladiolus Thrips	Gladiolus
Scales (Crawlers)	Abelia, Azalea, Bald Cypress, Bischofia, Bougainvillea, Boxwood, Camellia, Carissa, Chinese Holly, Chrysanthemum, Cotoneaster, Croton, Elm (Chinese), Euonymus, Fir, Fruitless Mulberry, Gardenia, Hackberry, Hemlock, Hibiscus, Holly, Lilac, Magnolia, Maple, Nandina, Oak, Oleander, Orchid, Osmanthus, Pine, Pittosporum, Podocarpus, Poinsettia, Pyracantha, Rose, Rose of Sharon, Willow, Wisteria, Yucca
Whiteflies	Ageratum, Azalea, Barberray, Camellia, Fuchsia, Gardenia, Lantana, Ligustrum, Mahonia, Poinsettia, Salvia, Viburnum, Zinnia

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Do not contaminate food or foodstuffs. DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. Do not reuse container. Destroy container and measuring cup when empty.

Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

NOTICE: Buyer assumes all responsibility for safety and use in accordance with directions.

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Ortho Division, San Francisco CA 94119
Richmond CA 94804
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