

Reg no: 239-2461

PM-16

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ORTHENE Systemic Insect Control
EPA Reg. No. 239-2461

COPY A

Roses, Flowers, Ornamentals, Shrubs and Shade Trees.

ACCEPTED
MAR 07 1990
Under the Federal Insecticide, Fungicide, and
Rodenticide Act, as amended, for this
pesticide registered under
EPA Reg. No. 239-2461

292

PRECAUTIONARY STATEMENTS

HAZARDS 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. When handling this product, wear chemical resistant gloves, long pants, and long sleeved shirt. When using outdoors, spray with the wind to your back and do not use when wind speeds are 10 mph or more. Wash the outside of the gloves with soap and water before removing. Do not allow children or pets to come into contact with treated surfaces until sprays have dried. **STATEMENT OF PRACTICAL TREATMENT:** If swallowed, give water or milk to drink and induce vomiting by touching back of throat with finger or by administering syrup of ipecac. If possible, contact a physician, Poison Control Center or emergency clinic before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. If medical advice cannot be obtained, take person and product container to the nearest emergency treatment facility. In case of eye contact, flush eyes with fresh water for 15 minutes and get medical attention immediately. Wash skin and hands thoroughly after using. If inhaled, remove person from exposure area. **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 HAZARDS: This pesticide is toxic to birds. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or soil incorporate spills. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting treatment area. **PHYSICAL OR CHEMICAL HAZARDS:** Do not use 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, AND USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS ON BOTH

(READY SPRAY™ Applicator only)

Spray when insects are present or feeding injury is first noticed. Repeat if reinfestation occurs. Do not apply to plants to be used for food or feed. **For homeowner use only.**

Mix thoroughly and spray entire plant covering both sides of foliage thoroughly. May be applied with an ORTHO SPRAYETTE ORTHO Lawn & Garden Sprayer tank type or power sprayer. Spray when insects are present or feeding injury is first noticed. Repeat if reinfestation occurs. **For homeowner use only. Do not apply to plants to be used for food or feed.**

(READY SPRAY™ Applicator only)

HOW TO USE: Connect attached spray nozzle to garden hose. Turn water control "ON/OFF" valve on top of spray nozzle to "OFF" position. Turn on water at faucet.

Using a coin or key, rotate the small product control valve located near front of nozzle forward to the "OPEN" position.

To **BEGIN** spraying, point spraying nozzle toward plants and turn the water control valve to "ON" position. The sprayer automatically mixes the product into the spray stream. Spray upper and lower leaf surfaces thoroughly.

To **STOP** spraying, turn water control "ON/OFF" valve to "OFF" position. Retate small product control valve back to "CLOSED" position. Turn off water at faucet. To relieve pressure on hose, turn the water control valve to "ON" position before removing nozzle from hose, being careful to point nozzle away from you.

FOR USE ON: Abies, Agave, Agave, Alder, Aluminum Plant, Alyssum, Anemone, Arabis, Arbutus, Arisaema, Asparagus, Aster, Azalea, Bald Cypress, Barberray, Begonia, Birch, Bird of Paradise, Bougainvillea, Boston Ivy, Boxwood, Calendula, Camellia, Caragana, Carnation, Catalpa, Cedar, Cherry Laurel, Chinese Elm, Chinese Holly, Chrysanthemum, Cockspur Thorn, Crape Myrtle, Cotoneaster, Crepe Myrtle, Cotton, Cuban Laurel, Ficus, Dahlia, Daisy, Dieffenbachia, Dracaena, Eucalyptus, False Aralia, Fir, Flowering Almond, Flowering Cherry, Flowering Plum, Fruitless Mulberry, Fuchsia, Gardenia, Geranium, Gladiolus, Gloxinia, Hackberry, Hawthorn, Hemlock, Hibiscus, Holly, Honey Locust, Honeysuckle, Ivy, Juniper, Lantana, Ligustrum, Lilac, Linden, Magnolia, Mahonia, Maple, Marigold, Mimosa, Mock Orange, Nandina, Nephthytis, Oak, Oleander, Orchid, Ornamental Cabbage, Osmanthus, Palm, Periwinkle, Petunia, Philodendron, Photinia, Pine, Pittosporum, Podocarpus, Poinsettia, Poplar, Privet, Purple Passion, Pyracantha, Rhododendron, Rose, Rose of Sharon, Salvia, Sassafras, Schefflera, Siberian Elm, Silver Maple, Shipyard Elm, Snowdrop, Spirea, Spruce, Staghorn Sumac, Sweet Gum, Sycamore, Tulip, Viburnum, Wintergreen, Yew, Wild Cherry, Willow, Yucca, Zinnia.

For Aphids: **Grasshoppers: Apply 2 Tbs (1 1/2 fl. oz.) to 1 gal. water.

(READY SPRAY™ Applicator only)

For Insects Listed Below: Attached sprayer automatically mixes and applies 3 Tbs (1 1/2 fl. oz.) to 1 gal. water to control: Aphids, Armyworms, Bagworm, Black Vine Weevil, Budworms, Cabbage Looper, Casebearer, Caterpillar, Sphinx Moth, Cherry Laurel Leather, Cuban Laurel Thrips, Elm Leafbeetle, Fall Caterpillar, Fall Webworm, Flower Thrips, Flower Thrips, Grasshoppers, Green Striped Mapleworm, Gypsy Moth, Hornworm, Lace Bugs, Leafhoppers, Leafminers, Oblique-banded Leafroller, Omnivorous Leafhopper, Maple Shoot Moth, Mealybugs, Mimosa Webworm, Nantucket Pine Tip Moth, Oak Webworm, Oleander Caterpillar, Orange striped, Sawfly, **Obscure Root Weevil (adults).

Poplar Tentmaker, Psyllids, Rose Midge, Sawflies, Scales (crawlers), Spittlebug, Sunflower Moth, Tent Caterpillars, Willow Leafbeetle, White marked Tussock Moth, Whiteflies, Yellow-necked Caterpillar.

* For these hard to control insects, spray 2 to 3 times 7 to 10 days apart.

For Insects Listed Below: Apply 3 Tbs (1 1/2 fl. oz.) to 1 gal. water. Armyworms, Bagworm, Black Vine Weevil, Budworms, Cabbage Looper, Casebearer, Caterpillar, Sphinx Moth, Cherry Laurel Leather, Cuban Laurel Thrips, Elm Leafbeetle, Fall Caterpillar, Fall Webworm, Flower Thrips, Grasshoppers, Green Striped Mapleworm, Gypsy Moth, Hornworm, Lace Bugs, Leafhoppers, Leafminers, Oblique-banded Leafroller, Omnivorous Leafhopper, Maple Shoot Moth, Mealybugs, Mimosa Webworm, Nantucket Pine Tip Moth, Oak Webworm, Oleander Caterpillar, Orange striped, Sawfly, **Obscure Root Weevil (adults), Poplar Tentmaker, Psyllids, Rose Midge, Sawflies, Scales (crawlers), Spittlebug, Sunflower Moth, Tent Caterpillars, Two spotted Spider Mites (Suppression), Willow Leafbeetle, White marked Tussock Moth, Whiteflies, Yellow-necked Caterpillar.

* For these hard to control insects, spray 2-3 times 7-10 days apart.

****Special Directions: Obscure Root Weevil (adults):** Apply full coverage spray to the foliage in late spring as soon as feeding is noticed (usually about April). Repeat every four weeks through September (mid July through August are the peak feeding times). **Black Vine Weevil:** Apply full coverage spray to foliage and soil beneath plants. Begin applications in mid June and make 3 additional applications at 3 week intervals. **Grasshoppers:** Apply full coverage spray to foliage and soil beneath plants and to lawn grasses.

For Japanese Beetle (Rose Linden Boston Ivy): Apply 4 Tbs (2 fl. oz.) to 1 gal. water. Repeat at 7-10 day intervals for as long as needed.

HONEY SUCKLE APHID ON HONEY SUCKLE: Spray thoroughly as leaves begin spring expansion. Repeat in 2 weeks with a third spray 4 weeks after second application.

COMBINATION SPRAY WITH FUNGICIDE OR FERTILIZER ON ROSES: ORTHENE Systemic Insect Control may be used together with ORTHO FUNGIMEX® Rose Disease Control or ORTHOCIDE Garden Fungicide or ORTHO Rose & Flower Food # 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.

(READY SPRAY™ Applicator only)

Lawn Insects: (Fall Armyworm, Leafhoppers, Sod Webworms, Greenbug) on Bermuda grass, Bluegrass, Bentgrass, Fescue, St. Augustinegrass. Attached sprayer automatically applies product at the rate of 3 Tbs (1 1/2 fl. oz.) to 1 gal. water. Apply at the rate of 6 gals of spray (9 fl. oz.) per 1000 sq. ft. of lawn. Spray when insects are present or feeding damage is first noticed. Repeat if reinfestation occurs.

Lawn Insects: (Fall Armyworm, Leafhoppers, Sod Webworms, Greenbug) on Bermuda grass, Bluegrass, Bentgrass, Fescue, St. Augustine. Apply 3 Tbs (1 1/2 fl. oz.) to 1 gal. water. Spray when insects are present or feeding damage is first noticed. Apply at the rate of 6 gallons of spray per 1000 sq. ft. of lawn. Repeat if reinfestation occurs.

(READY SPRAY™ Applicator only)

Imported Fire Ant Mounds: Bermudagrass, Centipedegrass, Bahiagrass, St. Augustinegrass and bare ground. Attached sprayer automatically applies product at the rate of 3 Tbs (1 1/2 fl. oz.) to 1 gal. water. Apply 1 gal. of spray to each fire ant mound. For best results, apply in cool weather or in early morning or late afternoon. Treat new mounds as they appear. **Note:** Reduce water pressure at faucet to keep spray from disturbing fire ant mounds when treating.

Imported Fire Ant: Bermudagrass, Centipede, Bahia, St. Augustine and bare ground. Mix 2 Tbs (1 fl. oz.) in 1 gal. water in spritzing can and apply to each fire ant mound. Thoroughly wet mound and treat a 4 foot diameter area around mound. For best results apply in cool weather or in early morning or late afternoon. Treat new mounds as they appear.

NOTE: Do not apply to American Elm. Flowering Crabapple, Sugar Maple, Red Maple, Cottonwood, Redbud and Weigela 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

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool dry place preferably in a locked storage area. Do not store diluted spray.

DISPOSAL: PRODUCT - Paraffin lined bottle may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. **CONTAINER:** Do not reuse empty bottle. Rinse thoroughly before discarding in trash.

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

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Ortho Consumer Products Division
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EPA Reg. No. P, Product 5446. Made in U.S.A.
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EPA Est. 239 MO 1



ORTHO ORTHO Systemic Control

CONTROLS: Aphids, Armyworms, Bagworm, Black Vine Laurel Thrips, Flower Thrips, Grasshoppers, Gypsy Moth, Leafhoppers, Leafminers, Leafrollers, Leafhoppers, Looper Weevil, Rose Midge, Sawflies, Spittlebug, Scale (crawlers) and other listed leaf-eating caterpillars, worms, and insects.

ON: Roses, Flowers, Ornamentals, Shrubs, Shade Trees.

(READY SPRAY™ Applicator only) Ready-to-use control through the attached hose end sprayer.



Keep out of reach of children.
WARNING
See side panel for additional information.
NET CONTENTS

BEST AVAILABLE