ORTHO ORTHENE® Systemic Insect Control

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. 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 & symptoms of cholinesterase inhibition are present, atropine & antidote 2-PAM may also be given. For control with atropine. **ENVIRONMENTAL HAZARDS** 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 store near heat or open flame.

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

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

Mix thoroughly and spray entire plant, wetting all leaves and foliage thoroughly. May be applied with an ORTHO SPRA-E-TTE GRO-N Lawn & Garden Sprayer, tank type or power sprayer. Spray when pests are present. Repeat spray if new infestations occur. **For homeowner use only.**

FOR USE ON Abelia Ageratum Aster Aluminum Plant Alyssum Arborvitae Arista Ash Asparagus Fern Aster Azalea Bald Cypress Barberry Begonia Birch Bird of Paradise Bischofia Bougainvillea Boston Ivy Boxwood Calendula Camellia Carnation Catalpa Cedar Cherry Laurel Chinese Elm Chinese Holly Chrysanthemum Cockscomb Thuja Spirea Cotoneaster Crapemyrtle Croton Cuba Laurel Daisy Daylily Dusty Miller Deutzia Dracaena Euonymus False Aralia Fig Flowering Almond Flowering Cherry Flowering Plum Fruitless Mulberry Fuchsia Gardenia Geranium Gladiolus Grevillea Hackberry Hawthorn Hemlock Hibiscus Holly Honeysuckle Ivy Juniper Lantana Laurel Linden Magnolia Marigold Maple Marigold Mimosa Mock Orange Nandina Nephthytis Oak Oleander Ornamental Cabbage Osmanthus Periwinkle Petunia Philodendron Photinia Pine Pittosporum Podocarpus Poinsettia Poplar Primrose Purple Passion Raphiolepis Red Cedar Rose Rose of Sharon Salvia Sassafras Schefflera Sequoia Elm Silver Maple Slippery Elm Snapdragon Spirea Spruce Statice Strawflower Sweet Gum Sycamore Tulip Tree Viburnum Wandering Jew Weeping Cherry Yew Yucca Zelkova Zinnia

For Aphids, Grasshoppers Apply Tbsp (15 ml) or 1/2 tsp (2.5 ml) per 1 gal water.

For Insects Listed Below Apply 1 Tbsp (15 ml) or 1/2 tsp (2.5 ml) per 1 gal water. Armyworms, Ash Horned Bagworm, **Bark Aphids, Boxwood Psyllids, Cabbage Looper, Casebearers, Cataipa Sphinx, Mottled Willow, Cherry Leaf Beetle, Elm Leaf Beetle, Elm Leafminers, Eye-spotted Bud Moth, Fall Webworm, Flower Thrips, *Gladiolus Thrips, Green Fruitworm, Japanese Maple Scale, Juniper Webworm, Juniper Tip Blight, Leafhoppers, Leafminers, Leafrollers, Lecanium Scale, Locust Borer, Maple Petiole Borer, Mealybugs, Mimosa Webworm, Oak Lecanium Scale, Oystershell Scale, Pandora Moth, Pine Needle Scale, Pine Tip Moth, Pittosporum Psyllid, Poplar Tent Caterpillars, Rose Aphids, Rose Leafhopper, Rose Slugs, Saddled Prominent Caterpillars, Sawflies, Scales, Spittlebugs, Sycamore Lace Bug, Tent Caterpillars, Thrips, Tussock Moth, Twig Girdler, Twolined Chestnut Borer, Viburnum Beetle, Walkingstick, Webworms, Whitemarked Tussock Moth, Willow Leaf Beetle, Witch Hazel Weevil, Yellownecked Caterpillar, Yellowstriped Armyworm, Zebra Caterpillar, Zimmerman Pine Moth.*

For Insects Listed Above Apply 2 Tbsp (30 ml) or 1 tsp (5 ml) per 1 gal water. **Azalea Leaf Miner, Birch Leaf Miner, Boxwood Leaf Miner, Elm Leaf Miner, Holly Leaf Miner, Honeylocust Pod Gall Midge, Iris Borer, Lilac Borer, Poplar Petiole Gall Aphid, Rhododendron Lace Bug, Rose Midge, Sawflies, Scales (crawlers), Spittlebugs, Sunflower Moth, Tent Caterpillars, Willow Leaf Beetle, White Marked Tussock Moth, Yellownecked 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 late spring as soon as feeding is noticed (usually about May). Repeat every four weeks through September. (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 Tbsp (2 fl oz) to 1 gal Water. Repeat at 7-10 day intervals for as long as needed.

COMBINATION SPRAY WITH FUNGICIDE OR FERTILIZER ON ROSES ORTHENE Systemic Insect Control may be used together with ORTHO ENGINEER® Rose Disease Control or PHALTAN Rose & Garden Fungicide or ORTHOCIDE 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.

Lawn Insects (Fall Armyworm, Leafhoppers, Sod Webworms, Greenbug on Bermuda grass, Bluegrass, Bentgrass, Fescue, St. Augustine) Apply 3 Tbsp (1½ fl oz) to 1 gal water. Spray when insects are present or feeding damage is first noticed. Apply at the rate of 6 gal (23 l) of spray per 1000 sq. ft. of lawn. Repeat if reinfestation occurs.

Imported Fire Ant Bermudagrass, Centipede, Bahia, St. Augustine and bare ground. Mix 2 Tbsp (30 ml) in 1 gal water (3 l) or more, 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 Autumn Flowering Crabapple, Sugar Maple, Red Maple, Colorado Blue Spruce and Norway Spruce foliage injury may occur. Clean sprayer after use. Do not mix with water for 24 hours. Household bleach as a cleaning agent.

STORAGE AND DISPOSAL: Keep pesticide in original container. Do not put pesticide or dilute into food or drink containers. Do not contaminate food or feed. Do not reuse empty container. Wrap container and put in trash collection. Do not burn. Triple rinsed spray.

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

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Chevron Chemical Company
575 Market Street, San Francisco, California 94105

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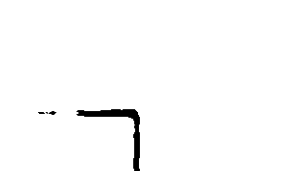
CONTROLS: Aphids, Armyworms, Bagworm, Black Vine Thrips, Flower Thrips, Grasshoppers, Gypsy Moth, Imp Leafrollers, Leafminers, Loopers, Mealybugs, Pine Tip M Spittlebug, Scale (crawlers), Tent Caterpillars, Webw caterpillars, worms, and lawn pests.

ON: Roses, Flowers, Ornamentals, shrubs, and trees.



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IN ACCORDANCE WITH LABEL PRECAUTIONARY

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sp (1 fl oz / 1 gal water

(1 fl oz / 1 gal water Armyworms Ar- Budworms Cabbage Looper Caseworms Leather Cutworms Thrips Elm Leafbeetle Thrips Grubs Thrips Japanese Beetle Maple Bugs Leaf Rollers Leaf Tiers Oak Leaf Rollers Spittlebugs Mimosa Webworm Tent Caterpillar Orange Striped Oak worm Western Tussock Moth Yellow Necked Caterpillar

worm **Obscure Root Weevil (adults) Pupae Tentiform Leafminers Psyllids Rose Midge Sawflies Scales (crawlers) Spittlebugs Flower Moth Tent Caterpillars Armyworms Whitefly and other listed leaf-eating caterpillars worms and lawn pests

*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 spotted usually about May Repeat every four weeks through September mid July through August are the peak feeding periods **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

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NOTE Do not apply to American Elm Flowering Crabapple Sugar Maple Red Maple Silver Maple Redbud and Weeping Willow foliage injury may occur Clean sprayer after use by rinsing with water do not use household bleach as a cleaning agent

STORAGE AND DISPOSAL: Keep container tightly closed Do not put concentrate or dilute into food or drink containers Do not contaminate water, food or feed by storage or disposal Do not reuse empty container Wrap container and put in trash collection Do not store diluted spray

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

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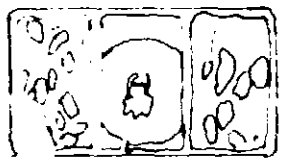
ORTHENE® Systemic Insect Control

CONTROLS: Aphids, Armyworms, Bagworm, Black Vine Beetle, Budworms, Cankerworms, Cuban Laurel Thrips, Flower Thrips, Grasshoppers, Gypsy Moth, Imported Fire Ants, Japanese Beetles, Leafminers, Leafrollers, Leaftiers, Loopers, Mealybugs, Pine Tip Moth, Psyllids, Root Weevil, Rose Midge, Sawflies, Spittlebug, Scale (crawlers), Tent Caterpillars, Webworms, Whitefly and other listed leaf-eating caterpillars, worms, and lawn pests

ON: Roses, Flowers, Ornamentals, shrubs, and trees.



Active Ingredient	By Wt
*Acephate (O,S dimethyl acetylphosphor amidothioate)	9.4%
Inert Ingredients	90.6%
*U S Patent No 3,716,600	

Keep out of reach of children
WARNING
See side panel for additional precautionary statements

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