Orthene®
Systemic Insect Control
CONCENTRATE
Kills Bugs on Contact
Lasting Protection & Control
Use on Lawns & Over 100 Plant Varieties

For use on non-edible plants
Active Ingredient
Acephate.......................... 9.4%
Other Ingredients................ 90.6%

KEEP OUT OF REACH OF CHILDREN
WARNING See back panel booklet for additional precautionary statements.
NET 16 FL OZ (1 PT) 473 mL

Ortho code is 927901
Ortho® Orthene® Systemic Insect Control stops plant and lawn damage from a wide variety of foliage insects. It quickly kills sprayed insects and continues killing insects which contact or feed on treated plants and lawns. Sprayed leaves absorb Orthene®, providing lasting insect protection that won't wash away with rain or watering.

Thank you for choosing Ortho. You'll like the results and so will your plants and lawn.

Sprinkling Can: 2 Tbs (1 fl oz) per gallon of water for each mound

HOW TO APPLY
Thoroughly wet mound and treat a 4 ft diameter area around mound.

WHEN TO APPLY
• For best results apply in cool weather or in early morning or late afternoon.
• Treat new mounds as they appear.

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: PARTIALLY FILLED 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.

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 speed is 10 mph or more. Wash the outside of the gloves with soap and water before removing.

FIRST AID:
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 (continued)

Questions, Comments or Medical Information call 1-800-225-2883 www.ortho.com

Specially formulated for residential use. Do not apply to plants to be used for food or feed.

Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon, CA 94583-0808
EPA Reg. No. 239-2461
EPA Est. 239-IA-3
Supersedes first letter of lot number
Made in USA

ITF CODE IS
027901

HOW IT WORKS
Ortho® Orthene® Systemic Insect Control stops plant and lawn damage from a wide variety of foliage insects. It quickly kills sprayed insects and continues killing insects which contact or feed on treated plants and lawns. Sprayed leaves absorb Orthene®, providing lasting insect protection that won’t wash away with rain or watering.

Thank you for choosing Ortho. You’ll like the results and so will your plants and lawn.
Important: Do not apply to American elm, flowering crabapple, sugar maple, red maple, cottonwood, redbud or weigelia as foliage injury may occur. Do not apply to plants to be used for food or feed.

COMBINATION SPRAY WITH FUNGICIDE ON ORNAMENTAL PLANTS
Ortho® Orthene® Systemic Insect Control may be mixed with the following fungicides (at the label rates for both products): RosePride® Funginex® Rose & Shrub Disease Control or Ortho® Multi-Purpose Fungicide Daconil 2787® Plant Disease Control. Follow directions on both labels. Do not make more than two consecutive applications of combination spray.

Amount to Use:
3 Tbs (1 1⁄2 fl oz) per gallon of water for each 167 sq ft

When using Ortho® Dial ‘n Spray®:
1. Set dial to 1 oz.
2. Add 9 fl oz (18 Tbs) to sprayer jar. DO NOT add water.
3. Spray evenly over 1,000 sq ft until jar is empty.

1 Tablespoon (Tbs) = 3 teaspoons (tsp) 1 fl oz = 2 Tbs

Clean sprayer after use by flushing with water.

HOW TO APPLY
Spray entire plant covering both sides of foliage thoroughly.

WHEN TO APPLY
• Spray when insects are present or when feeding injury is first noticed.
• For hard to kill insects such as flower thrips, gladiolus thrips, mealybugs, scales, two-spotted spider mites and whiteflies, spray 2 to 3 times, waiting 7 to 10 days between each application.
• Repeat if reinfestation occurs.

SPECIAL DIRECTIONS
• For Obscure Root Weevil (Adults): Spray foliage in late spring as soon as feeding is noticed (usually about April). Repeat every 4 weeks through September. (Mid-July through August are the peak feeding times.)
• For Black Vine Weevil: Spray foliage and soil beneath plants. Begin applications in mid-June. Spray 4 times, waiting 3 weeks between each application.
• For Grasshoppers: Spray lawns, foliage of plants and soil beneath plants.

OTHER INSECTS COMMONLY FOUND ON ORNAMENTAL PLANTS
Armyworms, bagworms, black vine weevil, budworms, cabbage looper, casebearers, calathea sphinx moth, cherry laurel leaffeed, Cuban larval thrips, elm leaf beetle, fall cankerworm, fall webworm, flower thrips, gladiolus thrips, green striped mapleworm, gypsy moth, hornworm, lacebugs, leaffoppers, leafminers, obliquebanded leafrollers, ornithous leaffeed, maple shoot moth, mealybugs, mimosa webworm, Nantucket pine tip moth, oak webworm, oleander caterpillar, orange-striped oakworm, poplar tentmaker, psyllids, root weevil (adults), rose midge, savflies, scales (crawlers), spittlebug, sunflower moth, tent caterpillars, two-spotted spider mites (suppression), willow leaf beetle, white-marked tussock moth, whiteflies and yellow-necked caterpillar

ORNAMENTAL PLANTS
Ortho® Orthene® Systemic Insect Control can be used on over 100 plant varieties including: abelia, ageratum, alder, aluminum plant, alyssum, arboreta, ardisia, ash, asparagus fern, aster, azalea, bald cypress, barberry, begonia, birch, bird of paradise, bishoffia, bougainvillea, Boston ivy, boxwood, calendula, camellia, carissa, carnation, catalpa, cedar, cherry laurel, Chinese elm, Chinese holly, chrysanthemum, cockspur thorn, coleus, cotonaster, crapemyrtle, croton, Cuban laurel (ficus), dahia, daisy, dieffenbachia, dracaena, euonymus, false aralia, fir, flowering almond, flowering cherry, flowering plum, fruitless mulberry, fuchsia, gardenia, geranium, gladialos, glosina, hackberry, hawthorn, hemlock, hibiscus, holly, honey locust, honeysuckle, ivy, juniper, lantana, ligustrum, lilac, linden, magnolia, mahonia, maple, marigold, mimosa, mock orange, nandina, nepthytis, oak, oleander, orchid, ornamental cabbage, osmanthus, palm, pennisetum, petunia, phloxendorn, photinia, pine, pittosporum, podocarpus, poonsetta, poplar, primrose, purple passion, pyracantha, rhododendron, rose, rose of Sharon, salvia, sassafras, schefflera, Siberian elm, silver maple, slippery elm, snapdragon, spina, spruce, staghorn sumac, sweet gum, sycomore, tulip, viburnum, wandering J ev, wild cherry, willow, wisteria, yaupon, yew (taxus), yucca and zinnia.

ROSES, FLOWERS, SHRUBS & SHADE TREES

MIXING INSTRUCTIONS

For roses, flowers, shrubs & shade trees

Aphids & Grasshoppers
Amount to Use: 2 Tbs (1 fl oz) per gallon of water. Ortho® Dial ‘n Spray® setting is 1 oz.

Japanese Beetles
Amount to Use: 4 Tbs (2 fl oz) per gallon of water. Ortho® Dial ‘n Spray® setting is 2 oz.

Other Listed Insects Commonly Found on Ornamental Plants
Amount to Use: 3 Tbs (1 1⁄2 fl oz) per gallon of water. Ortho® Dial ‘n Spray® setting is 1 1⁄2 oz.

When using Ortho® Dial ‘n Spray®:
1. Set dial to the setting indicated above.
2. Pour product into sprayer to fill jar one-quarter to one-half full. DO NOT add water.
3. After spraying, unused product can be poured back into its original container.

1 Tablespoon (Tbs) = 3 teaspoons (tsp) 1 fl oz = 2 Tbs

HOW TO APPLY
Spray entire plant covering both sides of foliage thoroughly.

MIXING INSTRUCTIONS

For roses, flowers, shrubs & shade trees

Aphids & Grasshoppers
Amount to Use: 2 Tbs (1 fl oz) per gallon of water. Ortho® Dial ‘n Spray® setting is 1 oz.

Japanese Beetles
Amount to Use: 4 Tbs (2 fl oz) per gallon of water. Ortho® Dial ‘n Spray® setting is 2 oz.

Other Listed Insects Commonly Found on Ornamental Plants
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When using Ortho® Dial ‘n Spray®:
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2. Pour product into sprayer to fill jar one-quarter to one-half full. DO NOT add water.
3. After spraying, unused product can be poured back into its original container.

1 Tablespoon (Tbs) = 3 teaspoons (tsp) 1 fl oz = 2 Tbs

Clean sprayer after use by flushing with water.
Important: Do not apply to American elm, flowering crabapple, sugar maple, red maple, cottonwood, redbud or weigela as foliage injury may occur. Do not apply to plants to be used for food or feed.

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Amount to Use:
3 Tbs (1 1⁄2 fl oz) per gallon of water for each 167 sq ft

When using Ortho® Dial ’n Spray®:
1. Set dial to 1 1⁄2 oz.
2. Add 9 fl oz (18 Tbs) to sprayer jar. **DO NOT** add water.
3. Spray evenly over 1,000 sq ft until jar is empty.

1 Tablespoon (Tbs) = 3 teaspoons (tsp) 1 fl oz = 2 Tbs

Clean sprayer after use by flushing with water.

HOW TO APPLY
Spray entire plant covering both sides of foliage thoroughly.

WHEN TO APPLY
• Spray when insects are present or when feeding injury is first noticed.
• For hard to kill insects such as flower thrips, gladiolus thrips, mealybugs, scales, two-spotted spider mites and whiteflies, spray 2 to 3 times, waiting 7 to 10 days between each application.
• Repeat if reinfection occurs.

SPECIAL DIRECTIONS
• For Obscure Root Weevil (Adults): Spray foliage in late spring as soon as feeding is noticed (usually about April). Repeat every 4 weeks through September. (Mid-July through August are the peak feeding times.)
• For Black Vine Weevil: Spray foliage and soil beneath plants. Begin applications in mid-June. Spray 4 times, waiting 3 weeks between each application.
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OTHER INSECTS COMMONLY FOUND ON ORNAMENTAL PLANTS

<table>
<thead>
<tr>
<th>Insects</th>
<th>Amount to Use</th>
<th>Ortho® Dial ’n Spray® setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aphids &amp; Grasshoppers</td>
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<td></td>
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</table>
DIRECTIONS FOR USE

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

ORTHENE® Systemic Insect Control

EASY TO APPLY

Sprinkling Can: 2 Tbs (1 fl oz) per gallon of water for each mound

HOW TO APPLY

Thoroughly wet mound and treat a 4 ft diameter area around mound.

WHEN TO APPLY

• For best results apply in cool weather or in early morning or late afternoon.
• Treat new mounds as they appear.

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 – Partially filled 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.

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.

FIRST AID:

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

Questions, Comments or Medical Information call 1-800-225-2883 www.ortho.com

Fire Ant Mounds

Easy to apply with an Ortho Dial ’n Spray®, hose-end or tank sprayer. When treating fire ant mounds, use a sprinkling can.

How it works

Ortho® Orthene® Systemic Insect Control stops plant and lawn damage from a wide variety of foliage insects. It quickly kills sprayed insects and continues killing insects which contact or feed on treated plants and lawns. Sprayed leaves absorb Orthene® providing lasting insect protection that won’t wash away with rain or watering.

Thank you for choosing Ortho. You’ll like the results and so will your plants and lawn.

Orthene®, SOLARIS® and the SOLARIS Group logo are trademarks of the SOLARIS Group of Monsanto Company

Manufactured for

Solomon Development Corporation
P.O. Box 5008
San Ramon, CA 94583-0808

Questions, Comments or Medical Information call 1-800-225-2883 www.ortho.com

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Orthene® Systemic Insect Control

CONTROLS: Aphids, Bagworm, Gypsy Moth, Loopers, Whitefly and other listed leaf-eating Caterpillars, Worms and Lawn Pests

ON: Roses, Flowers, Ornamentals, Shrubs, Shade Trees and Lawns

Active ingredient: Acephate (0.5-dimethyl acetylphosphoramidothioate) 9.4%
Inert ingredients: ............... 90.6%

For use on Roses, Flowers, Ornamentals, Shrubs, and Shade Trees. For homeowner use only.

Do not apply to plants to be used for food or feed.

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.

This product is a concentrate and must be mixed with water. See pamphlet for mixing directions.

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: Partially filled 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.

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 miles 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.

FIRST AID: 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. Not to Physicians. Emergency information call 1-800-454-2333. 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.

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

Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

EPA Reg. No. 239-2461
EPA Est. 58996-MO-1

Form 8-962-01
Product 5466
369B9563-1
Made in USA