

**ORTHENE® Systemic Insect Spray, EPA Reg. No. 239-2406****[Optional Marketing claims to be used with this product registration]**

**CONTROLS:** Aphids, Armyworms, Bagworms, Budworms, Cankerworms, Cuban Laurel Thrips, Flower Thrips, Gypsy Moth, Lace Bugs, Leaf Beetles, Leafhoppers, Leaf Miners, Leafrollers, Leaf tiers, Loopers, Mealybugs, Pine Tip Moth, Sawflies, Spittlebugs, Scale (crawlers), Spider Mites, Tent Caterpillars, Webworms, Whitefly, and other listed leaf eating caterpillars and worms.

Treats up to 189 Fire Ant Mounds as a dry powder [1 lb, 12 oz size]

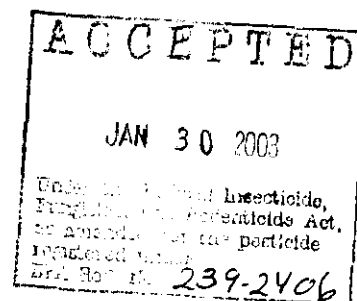
Treats up to 135 Fire Ant Mounds as a dry powder [1 lb, 4 oz size]

Treats up to 108 Fire Ant Mounds as a dry powder [1 lb size]

Treats up to 54 Fire Ant Mounds as a dry powder [8 oz size]

Treats up to 6 Fire Ant Mounds as a dry powder [1 oz size]

Treats up to 3 Fire Ant Mounds as a dry powder [1/2 oz size]



No Watering Necessary

No Watering In!

Sprinkle On and Forget

Just Apply and Forget

Fast-Acting

Easy-To-Use

Kills Off Existing/Visible Mounds Fast\* (\*within 3 to 7 days)

Mound Treatment/Treater

Kills the Queen &amp; Entire colony!

Kills the Queen/Queens

Kills (the) Queen(s) and/&amp; Destroys the Mound

Kills Fire Ant Workers Within Hours

Quick Kill of Fire Ants

Ready-To-Use\* (\*when used for Fire Ant/Red Harvester Ant Mound Application)

No Mixing Required\* (\*when used for Fire Ant/Red Harvester Ant Mound Application)

Destroys Entire Colonies within 3 to 7 days

**Active Ingredient**

Acephate .....75%

Other Ingredients .....25%

ORTHENE®, Acephate U.S. Pat. Nos. 3,716,600 &amp; 3,914,417.

**KEEP OUT OF REACH OF CHILDREN****CAUTION**

See side [back] panel for additional precautionary statements.

For outdoor home use only

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

**IMPORTANT:** To be used only as a mound treatment for home lawns and around ornamental plants (including flowers, trees and shrubs).

tsp = teaspoon

Tbs = Tablespoon

ORTHENE Systemic Insect Spray effectively controls many of the insects that attack trees, shrubs and flowers around the home. ORTHENE Systemic Insect Spray controls insects on contact and remains effective for an extended period of time because it is systemically absorbed by plants.

**Point bottle away from face when breaking seal.**

Mix thoroughly and spray entire plant covering both sides of foliage thoroughly. For specific directions refer to table below. May be applied with a teaspoon measure for dry powder or a sprinkling can as a drench for treating fire ant mounds. Use a hose-end sprayer (such as an ORTHO SPRAY-ETTE® 4 or an ORTHO All-Purpose Sprayer), or tank-type sprayer for spraying and controlling other listed insects.

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**Rate to Apply:** Apply 1 packet (1½ level Tbs or 9 grams) to 3 gals water. Spray as aphids appear. Repeat if reinfestation occurs.

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Pest	Plants
<b>Aphids</b>	Rose, Aster, Azalea, Calendula, Carnation, Chrysanthemum, Impatiens, Pansy, Snapdragon, Boxwood, Euonymus, Hibiscus, Pyracantha, Spirea, Arborvitae, Ash, Beech, Birch, Flowering Plum, Flowering Quince, Linden, Oak, Ornamental Pear, Sycamore, Viburnum, Willow, Flowering Almond, Fir, Ivy, Photinia, Maple, Periwinkle, Pittosporum

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**Rate to Apply:** Apply 1 packet (1½ level Tbs or 9 grams) to 2 gals water. Spray when insects are present or feeding injury is first noticed. Repeat if reinfestation occurs.

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<b>Armyworms</b> (Southern, Fall, Beet, Yellow-Striped)	Crape myrtle, Chinese Elm, Aster, Calendula, Rose, Petunia, Dahlia, Snapdragon
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<b>Bagworm</b>	Arborvitae, Cedar, Juniper, Cypress, Pine, Maple, Sycamore, Locust, Boxelder, Linden, Willow
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<b>Budworms</b> (Tobacco and Calendula)	Geranium, Ageratum, Snapdragon, Calendula
<b>Cankerworms</b> (Spring and Fall)	Maple, Oak, Linden, Birch, Hickory Beech, Hawthorn, Cockspur Thorn, Silver Maple
<b>Cuban Laurel Thrips</b>	Cuban Laurel (Ficus)
<b>Fall Webworm</b>	Ash, Alder, Boxelder, Birch, Hickory, Linden, Poplar, Sycamore, Oak, Willow, Eastern Redbud
<b>Gladiolus Thrips</b>	Gladiolus
<b>Gypsy Moth</b>	Birch, Hawthorn, Oak, Poplar, Willow, Black Gum, Hickory, Maple, Sassafras, Hemlock, Cedar, Spruce, Pine
<b>Honeylocust Pod Gall Midge</b>	Honeylocust
<b>Lace Bugs</b>	Azalea, Pyracantha, Sycamore, Zinnia, Oak, Ash
<b>Leafhopper</b> (Potato)	Calendula, Dahlia
<b>Leafbeetles</b> (Elm, Willow)	Elm (Chinese or Siberian), Willow
<b>Leafminers</b>	Birch, Holly, Locust, Columbine, Spruce, Alder, Oak Yaupon, Zinnia
<b>Leafrollers</b> (Oblique-banded and Omnivorous)	Sycamore, Oak, Sweet Gum, Hickory, Boxelder, Locust, Holly, Staghorn Sumac, Flowering Cherry, Rose, Begonia, Oleander, Carnation
<b>Leaftiers</b> (Cherry Laurel, Sycamore and Sweet Gum)	Cherry Laurel, Sycamore, Sweet Gum
<b>Loopers</b> (Barberry, Omnivorous, Cabbage)	Mahonia, Gerbera, Chrysanthemum, Kalanchoe, Petunias, Ornamental Cabbage
<b>Maple Shoot Moth</b>	Maple
<b>Mimosa Webworm</b>	Mimosa, Honeylocust
<b>Nantucket Pine Tip Moth</b>	Pine
<b>Obscure Root Weevil</b> (Adults)	Rhododendrons, Azaleas, Viburnum, Roses <b>Special Directions:</b> Apply full coverage spray to the foliage in late spring, as soon as feeding damage is noticed (usually about May). Repeat every 4 weeks through September. (Mid-July through August are the peak feeding times.)

<b>Plant Bug (Ash)</b>	Ash
<b>Planthopper (Viburnum)</b>	Viburnum
<b>Psyllids</b>	Yaupon, Holly, Hackberry, Acacia, Laurel, Willow
<b>Sawflies</b> (Dusky Birch, Brownheaded Ash, Willow, Redheaded Pine, Pine, European Pine, Nesting Pine, Rose Stem)	Birch, Ash, Willow, Poplar, Pine, Rose
<b>Spittlebug</b>	Rose, Chrysanthemum, Juniper, Euryops
<b>Tent Caterpillars</b> (Eastern, Western and Forest)	Maple, Oak, Poplar, Ash, Birch, Hawthorn, Flowering Cherry, Black Cherry, Willow, Choke Cherry, Oak, Black Gum, Alder
<b>Tentmaker (Poplar)</b>	Poplar, Willow
<b>Tussock Moth</b>	Pine, Holly, Fir, Hickory, Maple, Beech, Ash, Birch, Poplar, Willow, Boxelder, Wild Cherry, Oak, Elm (Chinese or Siberian), Sycamore
<b>Catalpa Sphinx Moth</b>	Catalpa
<b>Cypress Tip Moth</b>	Juniper, Cypress
<b>Juvenile Dusky Wing Moth</b>	Oak
<b>Pine Tube Moth</b>	Pine
<b>Saddled Prominent Moth</b>	Rose, Beech, Maple, Oak, Poplar, Spirea
<b>Sunflower Moth</b>	Marigolds
<b>Ash Hornworm</b>	Ash
<b>Rosy Maple Moth</b>	Maple
<b>Oleander Caterpillar</b>	Oleander
<b>Yellownecked Caterpillar</b>	Oak, birch, Pyracantha, Beech, Hickory, Linden
<b>Walnut Caterpillar</b>	Hickory, Beech, Honeylocust, Sumac, Willow
<b>Spiny Elm Caterpillar</b>	Elm (Chinese), Poplar, Willow
<b>Variable Oak Leaf Caterpillar</b>	Oak, Birch, Hawthorn

<b>Oak Webworm</b>	Oak
<b>Orangestriped Oakworm</b>	Oak
<b>Casebearers</b>	Slippery Elm, Sycamore
<b>California Oakworm</b>	Oak
<b>Redhumped Caterpillar</b>	Birch, Flowering Plum, Locust, Poplar, Sweet Gum, Willow
<b>Rose Midge</b>	Rose

**When to Use:** Apply 1 packet (1½ Tbs or 9 grams) per 2 gals water. Spray 2 to 3 times about 7 to 10 days apart to control the following hard-to-kill pests. Additional sprays may be needed if plants become reinfested.

<b>Pest</b>	<b>Plant</b>
<b>Flower Thrips</b>	Rose, Daisy, Carnation, Gladiolus, Chrysanthemum, Snapdragon, Daylily, Alyssum, Aster, Dianthus, Celosia, Ageratum, Vinca, Zinnia, Hollyhock, Gardenia, Salvia, Petunia, Marigold, Calendula, Oleander
<b>Mealybugs</b>	Gardenia, Coleus, Yew (Taxus), Dieffenbachia, Croton, Azalea, Poinsettia, Oleander, Begonia, Gardenia, Camellia, Chrysanthemum, Ivy, Orchid, Fern
<b>Whitefly</b>	Gardenia, Poinsettia, Lantana, Azalea, Ageratum, Fuchsia, Gaillardia, Salvia, Zinnia, Privet, Camellia, Viburnum

For the following hard-to-control pests: Apply 1 packet (1½ Tbs or 9 grams) per 1½ gals water. Spray 2 to 3 times about 7 to 10 days apart. For best results apply at first sign of infestations. Additional sprays may be needed if plants become reinfested.

<b>Pest</b>	<b>Plants</b>
<b>Scale (crawlers)</b> (Japanese Wax, Tea, Cottony Cushion, Pine Tortoise, Hemlock, Pine Needle, Black Hemispherical, Kuno)	Holly, Euonymus, Azalea, Camellia, Gardenia, Elm, (Chinese), Bottlebrush, Dogwood, Chinese Holly, Orchid, Yaupon, Oak, Magnolia, Pine, Poinsettia, Rose, Willow, Boxwood, Chrysanthemum, Cypress, Hibiscus, Hackberry, Geranium, Sweet Gum, Hemlock, Fir, Croton, Palm, Shrimp Plant, Beech, Oleander, Laurel, Pyracantha
<b>Twospotted Mites</b>	Rose, Marigold, Daylily, Chrysanthemum, Dahlia, Phlox, Viburnum
<b>Spider Mites</b>	Holly, Yaupon, Pine, Juniper, Bottlebrush, Cypress, Arborvitae, Honeylocust, Fir, Hemlock, Spruce, Camellia, Azalea, Oak, Rose

For the following hard-to-control pest: Apply 1 packet (1½ Tbs or 9 grams) per 2 gals water. Apply with ORTHO Lawn & Garden Sprayer, ORTHO SPRAY-ETTE or other suitable equipment. Thoroughly spray foliage and soil beneath plants. Begin applications in mid-June and make 3 more applications at 3-week intervals.

PEST	PLANTS
<b>Black Vine Weevil</b>	Azalea, Rhododendron, Yew ( <b>Taxus</b> sp.)

**IMPORTED FIRE ANTS and Red Harvester Ants** in home lawns and around ornamental plantings.

Gives quick knockdown and kills fire ant workers within hours. Colonies are destroyed within 3 to 7 days. Fire ant workers track the powder deep into the mound where it also kills the queens, destroying the mound.

**Dry Treatment:**

Sprinkle 2 tsp [teaspoons] dry powder over each mound. **NO NEED TO WATER IN.** Treat new mounds as they appear. For best results, apply when ants are active. Applications during prolonged hot or dry conditions may be less effective. Try not to disturb mounds while treating. Do not apply during a heavy dew or just before a rain. Repeat treatment if ants reappear.

**Drench Treatment:**

Mix 1 Tbs per 1 gal of water. Use a sprinkling can and gently apply one gal of solution over each mound. One pound will treat approximately 80 medium-sized mounds (1 to 2 ft in diameter).

{Reentry icon}: Do Not allow children or pets to come into contact with treated surfaces until area has dried or dusts have settled.

**NOTE: Apply this product only as specified on this label. Do not apply to American Elm, Flowering Crabapple, Sugar Maple and Cottonwood, 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:** **If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust 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:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**Note to Physicians:** Emergency Information call 1-800-225-2883 .

Acephate is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine but should not be used alone.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. Do not apply directly to water. 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[s].

**NOTICE:** Buyer assumes all risks of use, storage or handling of this product not in accordance with directions.

Note: This package is sold by weight. Contents may have settled during shipment.

📞 Questions, Comments or medical Information?

Call 1-800-225-2883      [www.ortho.com](http://www.ortho.com)

Manufactured for  
The ORTHO Group  
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