

ANNUAL TREE & SHRUB INSECT CONTROL WITH SYSTEMAXX

- THIS CONCENTRATE DISSOLVES IN WATER ALLOWING THE INSECTICIDE TO MOVE THROUGH THE ROOT ZONE. ONCE IN THE ROOTS, THE INSECTICIDE MOVES UP THROUGH THE TREE OR SHRUB PROVIDING PROTECTION FROM INSECTS. THIS PRODUCT WILL ALSO PROVIDE PROTECTION FOR NEW GROWTH.
- KILLS ADELGIDS, APHIDS, BRONZE BIRCH BORERS, LEAFMINERS, SCALE AND OTHER LISTED PESTS
- CANNOT BE WASHED OFF BY RAIN OR WATER
- KILLS INSECTS AND PREVENTS NEW INFESTATIONS

For Outdoor Residential Use Only.

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Distributed by:
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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For best results, be sure to read and follow all label directions. Shake well before using.

RESTRICTIONS:

- Read and follow directions when using.
- Do not spray the product into fish pools, ponds, streams, or lakes.
- Remove animal feeding dishes prior to application.

ESTABLISHED ORNAMENTALS IN RESIDENTIAL AREAS

Information

This product is for use on outdoor trees, shrubs and groundcovers in landscape plantings as listed in the table below:

| Landscape Plantings | Types of Plants |
|---|--|
| Roses, flowers, bedding plants and flowering shrubs | Azalea, begonia, camellia, cherry laurel, geranium, gardenia, hydrangea, impatiens, ligustrum, peonies, primrose, tea roses, salvia, zinnias and similar herbaceous plants |
| Evergreen and leafy shrubs and woody ornamentals | Arborvitae, boxwood, cotoneaster, euonymus, holly, juniper, laurel, privet, spruce yews and similar plants |
| Groundcovers | English ivy, Dichondra, ivy, pachysandra, Vinca and other similar plants |

This product is for use to kill the pests listed in the table below on outdoor trees and shrubs.

Pests Controlled

| | |
|---|---|
| Adelgids | Leafhoppers (incl. Glassy-winged Sharpshooters) |
| Aphids | Leafminers (incl. Birch Leafminers) |
| Black Vine Weevil Larvae | Mealybugs |
| Roundheaded Borers (incl. Eucalyptus Longhorned Borers) | Pine Tip Moth Larvae |
| Flatheaded Borers (incl. Bronze Birch, Alder Borers) | Psyllids |
| Japanese Beetles (Adult) | Royal Palm Bugs |
| Lacebugs | Sawfly Larvae |
| Leaf Beetles (incl. Elm Leaf Beetles and Viburnum Leaf Beetles) | Scales (incl. Armored Scale (suppression) and Soft Scale) |
| | Thrips (suppression) |
| | Whiteflies |

Foliar Applications

Use this product as a foliar spray to provide contact control of larvae, nymphs or adults of the following insect pests: adelgids, aphids, Japanese beetles, lace bugs, leaf beetles (including elm leaf beetles and viburnum leaf beetles), leafhoppers (including glassy-winged sharpshooter), mealybugs, psyllids, sawfly larvae, thrips (suppression) and whiteflies.

Application Instructions

Apply when insects first appear and before high pest populations are established. Retreat when re-infestation occurs, when high pest pressure is observed or repeat applications on an as-needed basis with 10-14 day intervals between applications.

How to Apply

Foliar applications with water should be made as a thorough cover spray to provide uniform distribution. Spray to wet all foliage (leaves, stems and branches). Target the undersides of the leaves and try to penetrate dense foliage with the spray droplets.

Hand-Operated Sprayers

Including backpack, compression, knapsack or tank type sprayers.

For foliar applications mix 1.5 tsp of this product per 1 gallon of water.

SOIL DRENCH TO INDIVIDUAL TREES AND SHRUBS

This product quickly dissolves in water allowing the insecticide to move through the soil into the root zone. Once in the roots, the insecticide moves up through the tree or shrub providing year-long insect control. This product will also provide control to new growth. Drench applications to individual trees will control pests listed below:

| Pests Controlled | | |
|------------------------------|-----------------------|--------------------------|
| Adelgids | Lacebugs | Psyllids |
| Aphids | Elm Leaf Beetles | Royal Palm Bugs |
| Armored scales (suppression) | Viburnum Leaf Beetles | Sawfly Larvae |
| Black Vine Weevil Larvae | Leafhoppers | Soft Scale (suppression) |
| Eucalyptus Longhorned Borers | Leafminers | Thrips (suppression) |
| Flatheaded Borers | Mealybugs | White grub larvae |
| Japanese Beetles (adult) | Pine Tip Moth Larvae | Whiteflies |

For best results, use this product as part of a preventative treatment program before insect damage occurs. Use one soil drench treatment per year during early spring to early fall. This product can be applied anytime except when the ground is saturated or frozen. These conditions will make movement of the product down into the root zone difficult. When applying this product during dry periods, generously water the tree or shrub the night before treatment.

NOTE: For insect control, the insecticide must move throughout the tree or shrub. The time it takes to do this will depend on the size of the plant that is treated (one week to three months for very large trees). For this reason, soil drenches should occur 2-3 months before the expected pest infestation. Trees that are already heavily infested may not survive due to the existing pest damage and the resulting stress.

RESTRICTIONS:

Do not apply to soil that is frozen or waterlogged.
Keep children and pets off treated area until it has dried.

Application Instructions

Soil Drench: Refer to the directions in the "TREES" section below.

TREES

Determining Amount of this product to Use

Measure the circumference (distance around the tree trunk) in inches at chest height or at 4.5 feet from the soil using a flexible tape. Or, measure the diameter of the tree trunk in inches at chest height or at 4.5 feet from the soil.

Mix 1 oz. of this product per inch of circumference of the tree trunk to one (1) gallon of water. Refer to the mixing chart below for the amounts of this product needed.

How to Apply

Apply the solution to the root zone as a band around the base of the tree. Apply one (1) gallon of solution in a circular band from the base of the tree outward for two (2) feet. For trees with trunk diameters more than 16 inches at chest height, apply two (2) gallons of solution in a circular band from the base of the tree outward for three to four (3-4) feet.

TREES Cont.

Do not irrigate immediately after a soil drench application. Depending on the size and vigor of the tree, the uptake period may vary from one week to three months for larger trees. Insect control will be achieved when the uptake and translocation from the roots to all plant parts (leaves) has occurred.

| Tree Trunk Circumference (inches) | Tree Diameter (inches) | Amount of this product (fl. oz.) | Volume of Water (gallons) | Band Width of Circular Area Around Base of Tree (outward feet) |
|-----------------------------------|------------------------|----------------------------------|---------------------------|--|
| 8 | 2 | 8 | 1 | 2' |
| 10 | 3 | 10 | 1 | 2' |
| 15 | 5 | 15 | 1 | 2' |
| 20 | 6 | 20 | 1 | 2' |
| 25 | 8 | 25 | 1 | 2' |
| 30 | 10 | 30 | 1 | 2' |

SOIL DRENCH TO APPLE, PEAR, PEACH, PLUM, CHERRY AND PECAN TREES

This product quickly dissolves in water allowing the insecticide to move through the soil into the root zone. Once in the roots, the insecticide moves up through the tree or shrub providing year-long insect protection. This product will also provide protection to new growth. Drench applications to individual trees will control aphids, borers, leafhoppers, lace bugs, mealybugs, scale insects, and other larvae as listed above.

For insect control, the insecticide must move throughout the tree or shrub. The time it takes to do this will depend on the size of the plant that is treated (one week to three months for very large trees). For this reason, apply soil drenches 2-3 months before the expected pest infestation.

For best results, use this product as part of a preventative treatment program before insect damage occurs. Use one soil drench treatment per year during early spring to early fall. This product can be applied anytime except when the ground is saturated or frozen. These conditions will make movement of the product down into the root zone difficult. When applying this product during dry periods, generously water the tree or shrub the night before treatment.

Do not apply to soil that is frozen or waterlogged.

Trees that are already heavily infested may not survive due to the existing pest damage and the resulting stress.

Determining Amount of This Product to Use

Measure the circumference (distance around the tree trunk) in inches at chest height or at 4.5 feet from the soil using a flexible tape. Or, measure the diameter of the tree trunk in inches at chest height or at 4.5 feet from the soil.

Mix 1 oz. of this product per inch of circumference of the tree trunk to one (1) gallon of water. Refer to the mixing chart below for the amounts of this product needed.

How to Apply

Apply the solution to the root zone as a band around the base of the tree. Apply one (1) gallon of solution in a circular band from the base of the tree outward for two (2) feet. For trees with trunk diameters more than 16 inches at chest height, apply two (2) gallons of solution in a circular band from the base of the tree outward from three to four (3-4) feet.

Do not irrigate immediately after a soil drench application. Depending on the size and vigor of the tree, the uptake period may vary from one week to three months for larger trees.

| Tree Trunk Circumference (inches) | Tree Diameter (inches) | Amount of this product (fl. oz.) | Volume of Water (gallons) | Band Width of Circular Area Around Base of Tree (outward feet) |
|-----------------------------------|------------------------|----------------------------------|---------------------------|--|
| 8 | 2 | 8 | 1 | 2' |
| 10 | 3 | 10 | 1 | 2' |
| 15 | 5 | 15 | 1 | 2' |
| 20 | 6 | 20 | 1 | 2' |
| 25 | 8 | 25 | 1 | 2' |
| 30 | 10 | 30 | 1 | 2' |

SHRUBS

Determining Amount of this product to Use

Measure the height of the shrub to the nearest foot. Round any inches down to the nearest foot if less than 6" and up to the nearest foot if greater than 6".

Mix 3 oz. of this product per foot of shrub height to one (1) gallon of water. Refer to table below for additional mixing instructions.

How to Apply

Apply the solution to the root zone as a band around the base of the shrub. Apply one (1) gallon of solution in a circular band from the base of the shrub outward for one (1) foot. For shrubs taller than 3 feet, apply one (1) gallon of solution in a circular band from the base of the shrub outward for two (2) feet.

Do not irrigate immediately after a soil drench application.

| Shrub Height (feet) | Amount of this product (fl. oz.) | Volume of Water (gallons) | Band Width of Circular Area Around Base of Shrub (outward feet) |
|------------------------|--|---------------------------------|---|
| 2 | 6 | 1 | 1' |
| 3 | 9 | 1 | 1' |
| 4 | 12 | 1 | 2' |
| 5 | 15 | 1 | 2' |
| 6 | 18 | 1 | 2' |
| 7 | 21 | 1 | 2' |
| 8 | 24 | 1 | 2' |

STORAGE AND DISPOSAL

Pesticide Storage: Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet. Protect from freezing.

Pesticide Disposal: If empty: Non-refillable container. Do not reuse or refill this container. Rinse the empty product container thoroughly and disperse the rinse water on lawn as part of the application. Offer for recycling if available. If recycling is not available: then dispose of container in sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

If partly filled: It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please call your local solid waste agency. Never place unused product down any indoor or outdoor drain.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

| | |
|----------------------|---|
| If in eyes: | <ul style="list-style-type: none">• 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. |
| If swallowed: | <ul style="list-style-type: none">• 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 the poison control center or doctor.• Do not give anything by mouth to an unconscious person. |

Note to Physician: No specific antidote is available. Treat the patient symptomatically.

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. Do not apply directly to lakes, streams or ponds. Do not dump rinse water into sewers or other bodies of water. This pesticide is highly toxic to bees. Do not apply this product when bees are active. Apply this product only as specified on this label.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS

The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Bonide Products, Inc.'s control it is impossible for Bonide Products, Inc. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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