

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.

Store and transport in an upright position.

©Bonide Products, Inc. All Rights Reserved

EPA Est. No. 4-NY-1

EPA Reg. No. 53883-205-4

Distributed by:

Bonide Products, Inc.

6301 Sutliff Road

Oriskany, NY 13424

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 applications.

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 Aphids Black Vine Weevil Larvae Roundheaded Borers (incl. Eucalyptus Longhorned Borers)	Leafhoppers (incl. Glassy-winged Sharpshooters) Leafminers (incl. Birch Leafminers) Mealybugs Pine Tip Moth Larvae

Pests Controlled Cont.

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

SOIL APPLICATIONS

Soil application of this product provides systemic activity and longer residual control as compared to foliar applications. This product may be used on bedding plants, flowers, trees, shrubs, groundcovers and woody ornamentals in landscape plantings as a soil surface spray. Individual trees and shrubs may be treated with a soil drench.

Pests Controlled

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

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 aphids, borers, leafhoppers, lace bugs, mealybugs, scale insects, and other larvae as listed above.

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.

PREVENTIVE TREATMENT INFORMATION AND INSTRUCTIONS FOR EMERALD ASH BORER AND ASIAN LONGHORNED BEETLE

When used as a soil drench this product *may* help to prevent infestation by Asian longhorned beetle and emerald ash borer. If being applied as a preventive measure in areas where these pests have been found, monitoring for pests must be conducted routinely. Follow use directions for application to trees below.

PREVENTIVE TREATMENT INFORMATION AND INSTRUCTIONS FOR EMERALD ASH BORER AND ASIAN LONGHORNED BEETLE

Asian longhorned beetle and emerald ash borer are exotic pests subject to quarantine and eradication by USDA Plant Protection and Quarantine ("PPQ"). In the event an infestation is discovered, it must be reported to USDA PPQ (301-734-8717) or appropriate State or Local authorities, who will determine the necessary course of action.

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.

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) feet. 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.

DISCLAIMER OF WARRANTIES

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BONIDE PRODUCTS, INC. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bonide Products, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Bonide Products, Inc. disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BONIDE PRODUCTS, INC.'S ELECTION, THE REPLACEMENT OF PRODUCT.