

XytectTM Infusible

broad-spectrum, systemic insecticide

Net Contents:
250ml

KEEP OUT OF REACH OF CHILDREN WARNING

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Side/Back Panel for Additional Precautionary Statements, First Aid and Directions for Use

Microinfusible Systemic Insecticide for the Management of Specific Insect Pests of Forests, Trees, Landscape Ornamentals & Interior Plantscapes

Active Ingredient

Imidacloprid	
1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinime.....	5.0%
Other Ingredients.....	95.0%
Total	100%

EPA Reg. No. 74578-1-74779

EPA Est. No. 63416-MN-001

Distributed by:



Rainbow Treecare Scientific Advancements

11571 K-Tel Dr
Minnetonka, MN 55343

1-877-272-6747
www.treecarescience.com

FIRST AID:

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 a doctor.• Do not give anything by mouth to an unconscious person
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 poison control center or doctor immediately for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call poison control center or doctor immediately for treatment advice.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.• Call poison control center or doctor immediately for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
HOT LINE NUMBER For 24 hour medical emergency assistance (human or animal), or chemical emergency assistance (spill, leak or accident). Call CHEMTREC at 1-800-424-9300.	
NOTES TO PHYSICIAN No specific antidote is available. Treat the patient symptomatically.	

PRECAUTIONARY STATEMENT

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Harmful if swallowed, inhaled or absorbed through the skin. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants or weeds. Do not apply this product or allow it to drift to blooming plants or weeds if bees are visiting the treatment areas.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

IMPORTANT: Read the entire label before use. Failure to follow label directions may result in poor control or plant injury. Failure to follow label directions may cause injury to people, animals and environment. The buyer accepts and understands that failure to follow label directions is the responsibility of the buyer.

APPLICATION TO ORNAMENTALS

Xytect™ Infusible Insecticide is for use on ornamentals in residential, commercial and interior plantscapes. Xytect™ Infusible Insecticide is a systemic insecticide formulated to translocate in the plant's vascular system from the microinfusion site(s). To assure optimum effectiveness, this product must be placed into the active sapwood.

NOTE: for optimum control, trees should be thoroughly irrigated prior to injection treatment.

GENERAL DIRECTIONS

Measure the diameter of the tree at chest height (54" from ground) in inches. If measuring circumference, divide this number by three to determine Diameter Breast Height (DBH). Refer to tables below to determine appropriate dose rate.

Best uptake is in trees in full leaf. Conditions that favor transpiration (i.e., warm soil temperatures >45° F, moist conditions) are optimal for injection uptake. In conifers, high humidity and cool temperatures favor transpiration (i.e., early morning, overcast, or rainy days) are optimal for injection uptake. Microinjection of trees stressed by drought or extreme heat may result in poor uptake or foliar injury.

INJECTION PROCEDURES

Root flare injections are recommended—Xytect™ Infusible Insecticide can be used with a variety of refillable tree infusion devices. For all injection devices, read carefully and follow all manufacturer use directions.

Installation and Application using the Rainbow Treecare Scientific Advancement M3 injector:

1. Examine the tree for the presence of root flare. If flares are not visible, excavate the root collar. Make Infusion sites 5-10 inches below the top of the root flare.
2. Thoroughly brush all dirt from the tree. A dirty root flare will dull the drill bit and increase uptake time.
3. Lay the injectors around the tree to select injection sites. The application rate is 1 injection site for every 2 diameter inches (approximately 1 injection site every 6 inches) evenly spaced around the root-flares. Using a 11/64" or 3/16" (4.5 to 5 cm) HIGH HELIX drill bit, drill a hole at a downward angle into each selected buttress root flare above the soil line. Drill to a depth of 1 to 1.5 cm (3/8 to 1/2") into healthy xylem tissue.
4. Insert the injector tip into the hole and seat firmly with hand pressure.
5. Close the control valve.
6. Inject treatment liquid into the M3 injector reservoir through the black duckbill (filling) valve.
7. Inject air into the M3 injector reservoir through the filling valve. Do not inject more than 25 cc of air.

Note: Care must be taken when pressurizing the capsule. If the tool used to pressurize the capsule passes all of the way through the duckbill, the duckbill will not close and the capsule will not be pressurized.

8. Open the control valve just to the point where the liquid starts to flow into the tree.
9. Check for leaks. If leaks are found close the valve, seat firmly into the tree and re-open the valve. If leaks persist the problem may be too shallow of a hole, close the valve, remove the injector and re-drill to a deeper depth.
10. Uptake usually occurs within minutes. When all of the treatment liquid is out of the injector, a wash solution of water can be injected into the M3 injector and it can be re-pressurized or the M3 injector can be closed and removed from the tree. Wash solutions are not compatible with all formulations. Check for compatibility prior to rinsing the M3 injector into the tree.
11. Remove the M3 injector from the tree and store properly for reuse.

Resinous Conifers

In resinous conifers, such as pine and spruce, start the injection and/or infusion process immediately following the setting of the injection device into the sapwood. A prolonged delay may reduce uptake efficacy on account of resin flow.

Monocots

Drill a pilot hole into the vascular bundle using a 3/16" diameter bit one third the stem diameter (e.g., if the palm is 12" DBH, then drill a 4" deep pilot hole), then drill a wider, shallow hole to set the injection device and complete the application. Only one application site is required. Avoid wounding the meristematic tissue located within the crown of the plant. In general, make applications to the lower trunk region, typically within 12" of the soil.

CROP	PEST	DBH RANGE	DOSE RATE (ml/DBH")
Trees Shrubs Evergreens Interior Landscapes Palms	Adelgids (including Hemlock Woolly Adelgid)	2 - 11"	4 - 5 ml
	Aphids	12 - 17"	6 - 7 ml
	Black Vine Weevil larvae	18 - 23"	7 - 8 ml
	Buprestid Borers (including Bronze Birch Borer, Emerald Ash Borer)	24 - 29"	8 - 9 ml
	Flatheaded Borers	30 - 35"	9 - 10 ml
	Gall Wasps (including Erythrina Gall Wasp)	36 - 41"	10 - 11 ml
	Japanese Beetle	42 - 47"	11 - 12 ml
	Leaf Beetles (including Elm and Willow Leaf Beetles)	48 - 53"	12 - 13 ml
	Lacebugs	54 - 59"	13 - 14 ml
	Leafhoppers	60 - 65"	14 - 15 ml
	Leaf miners	66 - 71"	15 - 16 ml
	Longhorned Borers (including Eucalyptus Longhorned Beetles)	72" +	16 ml
	Mealybugs		
	Pine Tip Moth larvae		
	Plant bugs (including Leaf-footed Bugs)		
	Psyllids		
	Royal Palm Bugs		
Sawfly larvae			
Soft Scale Insects			
Armored Scale (Suppression)			
Thrips			
Whiteflies			

For use under USDA Supervision Only:

CROP	PEST	DBH RANGE	DOSE RATE (ml/DBH")
Host trees including Elm, Maple, Birch, Willow, Box elder, Horsechestnut, Buckeye, European Mountain Ash, Ash, Poplar, Albizzia, London Plane, Hackberry, and Sycamore	Asian Longhorned Beetle	2 - 23"	4.0 ml
		24" +	8.0 ml
Hardwood and fruit trees	Citrus Longhorned Beetle		

RESTRICTIONS

- Do not treat trees that are moisture stressed or suffering from herbicide damage.
- Do not inject trees within two weeks of any other spray or soil chemical treatment.
- This product is not to be used on trees that will produce food within the year following treatment.
- Do NOT use on syrup-producing sugar maples where sap is harvested.

COMPATIBILITY

Physical compatibility of Xytect™ Infusible Insecticide should be tested before use with other products.

To determine the physical compatibility of Xytect™ Infusible Insecticide with other products, use a jar test as described below.

- Using a pint jar, add the proportionate amounts of the two products to 1 pint of water.
- After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed, it is physically compatible. If precipitates form, the combination is incompatible.
- Once compatibility has been proven acceptable, use the same procedure for adding required ingredients to the formulation tank.

NOTE: The safety of all potential tank mixes on all trees listed on this label may not have been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target tree should be tested. It is not advisable to apply pesticides via trunk injection or infusion applications that do not completely dissolve or disperse in solution. Application of liquid flowables, suspension concentrates, or dispersible granules that do not completely dissolve is NOT recommended.

Recommended Use in Forest and Woodland Areas

Xytect™ Infusible Insecticide may be used for the control of various pests in Forested and Woodland Areas. See application recommendations below.

CROP	PEST	DBH RANGE	DOSE RATE (ml/DBH")
Forest areas: Non-urban Forests, Trees Plantations, Planted Christmas Trees, Parks, Rural Shelter Belts, Rangeland Trees and Woodland Trees including Conifers	Adelgids (including Hemlock Woolly Adelgid)	2 - 11"	4 - 5 ml
	Aphids	12 - 17"	6 - 7 ml
	Black Vine Weevil larvae	18 - 23"	7 - 8 ml
	Buprestid Borers (including Bronze Birch Borer, Emerald Ash Borer)	24 - 29"	8 - 9 ml
	Flatheaded Borers	30 - 35"	9 - 10 ml
	Gall Wasps (including Erythrina Gall Wasp)	36 - 41"	10 - 11 ml
	Japanese Beetle	42 - 47"	11 - 12 ml
	Leaf Beetles (including Elm and Willow Leaf Beetles)	48 - 53"	12 - 13 ml
	Lacebugs	54 - 59"	13 - 14 ml
	Leafhoppers	60 - 65"	14 - 15 ml
	Leaf miners	66 - 71"	15 - 16 ml
	Longhorned Borers (including Eucalyptus Longhorned Beetles)	72" +	16 ml
	Mealybugs		
	Pine Tip Moth larvae		
Plant bugs (including Leaf-footed Bugs)			
Psyllids			
Royal Palm Bugs			
Sawfly larvae			
Soft Scale Insects			
Armored Scale (Suppression)			
Thrips			
Whiteflies			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store bottles in a cool, dry place, above 450 F. Store in original container out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse. Then offer for recycling or reconditioning or puncture and dispose of empty bottles in a sanitary landfill, or by incineration if approved by State and Local authorities. If burned, stay out of smoke.

NOTICE OF WARRANTY

RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS makes no warranty of fitness of this product for any other purpose, beyond its uses under normal conditions in keeping with the statements made on this label.



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