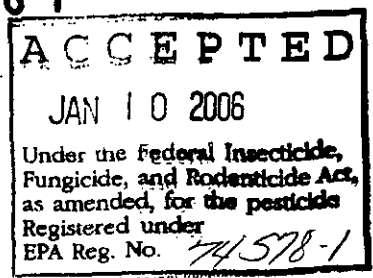


74578-1

01/10/2006

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IMA-jet

Microinjectable Systemic Insecticide for use with the Arborjet Injection System in 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.....100.0%

EPA Reg. No. 74578-1
EPA Est. No. 74578-MA-001

Net Contents:

STOP—read the entire label before use.

KEEP OUT OF REACH OF CHILDREN

WARNING

Precaución al usuario: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

To the user: If you cannot read or understand English, do not use this product until the label has been fully explained to you.

Manufactured for: Arborjet, Inc.
70B Cross Street
Winchester, MA 01890-1228
www.arborjet.com

PRECAUTIONARY STATEMENTS

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.

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call 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.
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 5 minutes, then continue rinsing eye. • Call a Poison Control Center or doctor for further 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 a Poison Control Center or doctor for further 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 a Poison Control Center or doctor for further treatment advice.
<p>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 Infotrac Chemical Emergency Response System at 1-800-535-5053</p>	
<p>Note to Physician: No specific antidote is available. Treat the patient symptomatically.</p>	

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

IMA-jet is for use on ornamentals in residential, commercial and interior plantscapes. IMA-jet is a systemic insecticide formulated to translocate in the plant vascular system from the microinjection 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

IMA-jet for use ONLY with the Arborjet Injection System and/or stem injection devices approved by Arborjet, Inc.

Measure 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 application rate.

Make applications to actively growing trees in full leaf. Conditions that favor transpiration (i.e., warm soil temperatures >45° F, moist conditions) are optimal for injection uptake. In conifers, select early morning, overcast, rainy or cool days for optimal uptake.

ARBORJET INJECTION PROCEDURES

Basal microinjections are recommended—inject into tree roots exposing them by shallow excavation or, alternatively into the trunk tissue immediately above the trunk flare, selecting the injection site in the first few xylem elements (i.e., active sapwood). Microinject around the tree, injecting no closer than 2.0 inches (5.0cm) apart. Refer to Tree Diameter Table below to determine the optimum number of injection sites to apply. DO NOT microinject trees stressed by drought. Irrigate trees prior to treatment for optimal product uptake.

Basic Arborjet VIPER Procedures:

Drill through the bark then 5/8" into the sapwood using the appropriate sized drill bit. Brad point bits are recommended, and all drill bits should be clean and sharp. Then set the Arborplug™ into place with the set tool and mallet. For recommended Arborplug™ sizes on specific sized trees refer to table below. Using the VIPER needle, pierce the internal septum to start the injection or infusion process. Remove VIPER needle upon the completion of the infusion process.

Tree diameter, range of trunk application sites and Arborplug™ size selection table

Tree DBH	Number of Application Sites (Tree I.V.)	Number of Application Sites (Air/Hydraulic or Hand-operated)	Size of Arborplug™ (Hardwoods)	Size of Arborplug™ (Conifers)
<12"	4	4	#2, #3	#3
12"	4	6	#2, #3	#4
16"	4	8	#3	#4
20"	5	10	#3	#4
24"	6	12	#3	#4
28"	7	14	#3	#4
32"	8	16	#3	#4
36"	9	18	#3	#4
>36"	Use DBH/4	Use DBH/2	#3	#4

Alternative Arborjet STINGER Procedure:

Alternatively set the #2 (7/32" drill bit) STINGER injector tip 5/8" deep into predrilled hole with a hand push. Remove STINGERS upon completion of infusion process.

Resinous Conifers

In resinous conifers, such as pine and spruce, start the injection and/or infusion process immediately following the setting of the Arborplug™ 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 monocot is 12"DBH, then drill a 4" deep pilot hole), then drill a wider, shallow hole to set a #2 Arborplug™, use the VIPER needle

to 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.

Recommended Use in Trees and Ornamentals

CROP	PEST	DBH Range	RATE
Trees	Adelgids (including Hemlock Woolly Adelgid)	2 - 11"	4.0 ml
Shrubs	Aphids		
Evergreens	Black Vine Weevil larvae	12 - 23"	8.0 ml
Interior Landscapes	Buprestid Borers (including Bronze Birch Borer, Emerald Ash Borer)	24 - 35"	12.0 ml
Palms	Flatheaded Borers		
	Japanese Beetle	36" +	16.0 ml
	Leaf Beetles (including Elm and Willow Leaf Beetles)		
	Lacebugs		
	Leafhoppers		
	Leaf miners		
	Longhorned Borers (including Eucalyptus Longhorned Beetles)		
	Mealybugs		
	Pine Tip Moth larvae		
	Psyllids		
	Royal Palm Bugs		
	Sawfly larvae		
	Soft Scale Insects		
	Thrips		
	Whiteflies		

For use under USDA Supervision Only:

CROP	PEST	DBH Range	RATE
Host trees including Elm, Maple, Birch, Willow, Box elder, Horsechestnut, Buckeye, European Mountain Ash, Ash, Poplar, Albizzia, London Plane, and Sycamore	Asian Longhorned Beetle	2 - 11"	4.0 ml
		12 - 23"	8.0 ml
Hardwood and fruit trees	Citrus Longhorned Beetle	24 - 35"	16.0 ml
		36" +	24.0 ml

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.

COMPATIBILITY

IMA-jet is compatible with MICRO-jet mixable infusible fertilizer. However the physical compatibility of IMA-jet should be tested before use with other products.

To determine the physical compatibility of IMA-jet with other products, use a jar test as described below.

1. Using a pint jar, add the proportionate amounts of the two products to 1 pint of water.
2. 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.
3. 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

IMA-jet microinjectable insecticide may be used for the control of various pests in Forested and Woodland Areas. See application recommendations below.

CROP	PEST	DBH Range	RATE
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"	4.0 ml
	Aphids		
	Black Vine Weevil larvae	12 - 23"	8.0 ml
	Buprestid Borers (including Bronze Birch Borer, Emerald Ash Borer)	24 - 35"	12.0 ml
	Flatheaded Borers		
	Japanese Beetle	36" +	16.0 ml
	Leaf Beetles (including Elm and Willow Leaf Beetles)		
	Lacebugs		
	Leafhoppers		
	Leaf miners		
	Longhorned Borers (including Eucalyptus Longhorned Beetles)		
	Mealybugs		
	Pine Tip Moth larvae		
	Psyllids		
	Royal Palm Bugs		
Sawfly larvae			
Soft Scale Insects			
Thrips			
Whiteflies			

RESTRICTIONS

Do NOT use on syrup-producing sugar maples where sap is harvested.

To enhance product uptake and efficacy, dilute ONLY with MICRO-jet mixable fertilizer.

Follow label directions.

STORAGE AND DISPOSAL

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

STORAGE: Store bottles in a cool, dry place, above 45° 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

ARBORJET, Inc. 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.