



1-866- ARBORJT (272-6758)
 (00 1) 781-935-9070
www.arborjet.com

MICRO-jet Mixable is a water-soluble mixable tree nutrition. Its revolutionary formulation allows it to be mixed with IMA-jet insecticide for a two in one treatment. **MICRO-jet Mixable** enables a nutrition and insecticide to be simultaneously micro-infused into trees without using additional injection sites. **MICRO-jet Mixable** moves in the sap stream, and is immediately available to promote development of healthy foliage in trees susceptible to or previously stressed by disease or insect infestation.

0.0%N – 0.0% P – 0.0% K plus 4.0% Calcium

Guaranteed Analysis

Calcium (Ca)..... 4.0%

NET CONTENTS: 1.05 qt (1 L)

NET WEIGHT: 2.2 lbs. (998 g)

Note: This product is NOT a pesticide.

RESTRICTIONS

- ✓ Do not inject trees more than once annually.
- ✓ Not recommended for newly planted trees.
- ✓ Do not inject drought stressed trees.
- ✓ Do not treat trees that are damaged by herbicides.
- ✓ Do not inject trees within two weeks of any other spray or soil chemical treatment.
- ✓ Do not inject trees during temperature extremes (<40F or >90F)
- ✓ Do not inject trees during leaf expansion.

APPLICATIONS & USES

MICRO-jet Mixable is formulated to be mixed with IMA-jet insecticide. MICRO-jet Mixable is for use on forest and landscape trees including conifers. To assure optimum effectiveness, this product must be injected or Micro-infused into the active sapwood (xylem).

AS A TANK MIX: The mixture of IMA-jet and MICRO-jet Mixable should be used within 2 hours of mixing. After 2 hours the mixture may not uptake in trees as quickly, and as it approaches 3 hours it may crystallize and form a precipitate.

See Insert Label for more details on mixing rates.

APPLICATION RATES

Read entire IMA-jet and MICRO-jet Labels before use.

1. Read the IMA-jet label rates, and calculate dose by multiplying tree size (DBH") by the label rate (mL/DBH")
2. Measure the IMA-jet dose in mL using a graduated cylinder.
3. **Add the measured volume of IMA-jet to Tree I.V. bottle.**
4. Using the table below, determine the dose per tree of MICRO-jet Mixable.
5. Measure the MICRO-jet Mixable dose in mL.
6. **Add measured volume of MICRO-jet Mixable to Tree I.V. bottle and agitate mixture.**
7. Follow the Micro-infusion procedures found in Arborjet's Equipment Training Manuals.

Tree DBH"	HIGH DOSE MICRO-jet (mL) / Tree	INTERMEDIATE DOSE MICRO-jet (mL) / Tree	LOW DOSE MICRO-jet (mL) / Tree	Number of Tree I.V.s	Number of Injection Sites or # of Arborplugs
6-8"	32	16	4	1	4
9-11"	45	22	6	1	4
12-14"	85	44	10	1	4
15-17"	104	52	14	1*	6*
18-20"	143	72	18	1*	6*
21-23"	165	82	20	2	8
24-26"	212	106	26	2	8
27-29"	240	120	30	2	8
30-32"	300	150	38	2*	10
33-35"	325	164	40	3	12
36-38"	390	195	50	3	12
39-40"+	400	200	50	3	12

* Use Tree I.V. Expansion Kit (010-7016) or use an additional Tree I.V.
 Note: Evenly distribute Total Mix Volume when using multiple Tree I.V.'s.
 Tank mix only what you intend to use per tree, and use **within 2 hours of mixing.**

Trees species vary in the speed of product uptake and nutrient utilization, therefore different doses may apply. The table below shows examples of the different tree types.

High Dose/ Fast Uptake			Intermediate Dose/Intermediate Uptake			Low Dose/Slow Uptake	
Beech	Elm	Oak	Ash	Live Oak	Sweetgum	Conifers	
Birch	Eucalyptus	Poplar	Catalpa	Maple		Ornamental and Flowering Trees	
Cherry	Linden	Sycamore				Dogwood	Magnolia

GENERAL DIRECTIONS

MICRO-jet Mixable is designed for use with Arborjet Tree Injection Systems, or with injection devices that meet the application and label requirements. Shake well before use. Fully read equipment training manuals before performing Micro-infusions.

Tree diameter at breast height (DBH) must be measured to determine application rate, and number of injection sites. Use one every 6-8" of stem circumference as a guide to determine the number of application sites to apply.

Recommended application timing: from leaf maturity (in spring) to fall (minimum soil temperatures, 40 F). Application to newly expanding leaves or in dry, hot conditions may result in foliar burn. Conditions that favor transpiration (e.g., moist soil) are optimal for injection uptake. Irrigate trees prior to treatment for optimal product uptake.

ARBORJET MICRO-INFUSION™ PROCEDURES

Inject into the trunk tissue immediately above the trunk flare, typically within 12" of the soil. Fully read equipment training manuals before performing Micro-infusions.

VIPER Method (uses Arborplugs™)

Use a 3/8" diameter drill bit. Drill through bark, then 5/8" deep into the xylem (sapwood). Drill bits should be clean and sharp. Set the Arborplugs™. Insert the VIPER needle, start application, and remove the VIPER needle upon completion. The Arborplug™ will remain in the tree.

STINGER Method (no Arborplugs™)

Use a 7/32" diameter drill bit. Drill through bark, then 5/8" deep into the xylem (sapwood). Push STINGER needles into holes, start application, and remove the STINGER needles upon completion. The STINGER Method requires no Arborplugs™.

Resinous Conifers (ex. Pine, Spruce) Only VIPER Method

In resinous conifers, it's important to fill, pressurize, and prime your Tree I.V. prior to setting Arborplugs™. Set each Arborplug™ and immediately insert VIPER needle and turn valve on to apply pressure. If there is a delay between setting each Arborplug™ and inserting each VIPER needle, then the resin flow may reduce uptake speed.

Hardwoods (ex. Oak, Ash, Maple) VIPER or STINGER Method

In hardwoods, it's recommended that you fill, pressurize, and prime your Tree I.V. prior to setting Arborplugs™. Then set all Arborplugs™, insert VIPER needles, and open all valves to begin Micro-infusion.

Monocots (ex. Palms) VIPER or STINGER Method

Use a 7/32" diameter drill bit. Drill the hole into the vascular bundle, typically 1/3 the depth of the trunk diameter (e.g., If 12" DBH, Drill 4" deep). Only 1 injection site is required.

VIPER Method: Use a 3/8" diameter drill bit, and drill 5/8" deep into the pilot hole. Set a #4 Arborplug™. Use the VIPER needle.

STINGER Method: Push a STINGER needle into the pilot hole.

Product Name: **MICRO-jet Mixable**

Label Revision: 1/21/2009

CLEAN UP

IMPORTANT! It is critical to rinse the Arborjet Tree Injection System thoroughly after use. Use **CLEAN-jet** or isopropyl alcohol. Residues left in the device may gum, clog or corrode the internal components.

COMPATIBILITY

MICRO-jet Mixable is compatible with Arborjet infusible insecticides including IMA-jet. The mixture of IMA-jet and MICRO-jet Mixable should be used within **2 hours** of mixing. After 2 hours the mixture may not uptake in trees as quickly, and as it approaches 3 hours it may crystallize and form precipitates. The physical compatibility of MICRO-jet Mixable should be tested before use with other products.

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

1. Add proportionate amounts of the two products to 1 pint of water, and thoroughly mix.
2. Wait at least 5 minutes. If the combination remains mixed it is physically compatible. If precipitates form, it's not.
3. If compatible, 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.

RESTRICTIONS

Keep away from children
Keep away from heat and open flame

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal
Keep from freezing
Store in a cool, dry place

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

CONTAINER DISPOSAL: Dispose of empty bottles in a sanitary landfill or by incineration if approved by State and Local authorities.

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.



99 Blueberry Hill Rd
Woburn, MA, 01801 USA
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