



ARBORCULTURE IN MOTION™

# MINJET IRON

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For the Treatment of Iron Chlorosis in Hardwood Trees

## IRON NUTRITION FOR TRUNK INJECTION

MIN-jet Iron is a water-soluble, buffered tree fertilizer designed for tree injection. MIN-jet Iron contains micronutrients essential to cell wall development and to the photosynthetic process.

MIN-jet Iron injected into trees will make these micronutrients immediately available for growth and development. MIN-jet Iron helps alleviate Chlorosis (yellowing) and promote the development of healthy green foliage with 7500ppm of Iron and 3800ppm Manganese.

**WARNING:** This fertilizer contains boron, which may be injurious to certain crops. Contact your local county agent or field consultant for specific information.

Manufactured by:  
Arborjet, Inc. 99 Blueberry Hill Road, Woburn, MA 01801.  
1-866-ARBORJET (866-272-6758) www.arborjet.com

### GUARANTEED ANALYSIS:

Boron (B).....	0.10%
Copper (Cu).....	0.10%
0.10% Water Soluble Copper (Cu)	
Iron (Fe).....	0.75%
0.75% Water Soluble Iron (Fe)	
Manganese (Mn).....	0.38%
0.38% Water Soluble Manganese (Mn)	
Zinc (Zn).....	0.20%
0.20% Water Soluble Zinc (Zn)	
Derived from: Boric Acid, Copper Sulfate, Ferrous Sulfate, Manganese Sulfate, Zinc Sulfate	

NET CONTENTS: 1 Gallon (3.785 Liters)  
NET WEIGHT: 9.42 LBS

### CAUTIONARY STATEMENTS:

- 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 (<40°F or >90°F).
- Do not inject trees during leaf expansion.

NOTE: This product is NOT a pesticide.

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Information received by the Washington state department of agriculture regarding components in this product is available on the internet at <http://agr.wa.gov>.

030-4010

ARBORJET  
Revolutionary Plant Health Solutions

**APPLICATION AND USES:** MIN-jet Iron is designed for use where: 1. Iron, Manganese and trace minerals are unavailable due to alkaline soil pH or lost to leaching. 2. Trees show symptoms of mineral deficiencies such as yellow foliage. MIN-jet Iron may be used to alleviate mineral deficiencies in a wide range of fruit, nut, and ornamental trees. To assure optimum effectiveness, this product must be injected or Micro-infused into the active sapwood (xylem).

**APPLICATION RATES: HIGH RATES FOR MIN-JET IRON:** Recommended for Fast Uptake Hardwoods, such as Beech, Cherry, Elm, Eucalyptus, Horse Chestnut, Linden, Oak, Poplar, Sycamore, Tulip Poplar and Willow.

May be used as formulated or dilute 1 part MIN-jet Iron to 1 to 3 parts water.

Tree DBH"	MIN-jet Iron (mL)/ Tree	Water (mL)/ Tree	Total Mix Volume (mL)/ Tree	Number of Tree I.V.s	**Number of Injection Sites or # Arborplugs™
6-10"	50-100	100	150-200	1	4
11-15"	100-195	195	295-390	1	4
16-20"	160-315	315	475-630	1*	6*
21-25"	230-460	460	690-920	2	8
26-30"	315-630	630	945-1260	2*	10
31-35"	415-825	825	1240-1650	3	12
36-40"	525-1045	1045	1870-2090	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, or use within 24 hours of mixing.

\*\*Calculate number of Arborplugs using DBH"/3 for TREE I.V. **LOW RATES FOR MIN-JET IRON:** Recommended for Slow and Intermediate Uptake trees such as Conifers, Ornamental and Flowering Trees including Ash, Catalpa, Dogwood, Honey Locust, Live Oak, Magnolia, Birch and Maple. **May be used as formulated or dilute 1 part MIN-jet Iron with 1 to 3 parts water.**

Apply 5 to 10 mLs of MIN-jet Iron per injection site every 6" of tree circumference (DBH"/2).

**GENERAL DIRECTIONS:** MIN-jet Iron is designed for use with Arborjet Tree Injection Systems, or with injection devices that meet the application and label requirements.

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 Arborplug™. Use the VIPER needle.

**STINGER Method:** Push a STINGER needle into the pilot hole. **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:** MIN-jet Iron is formulated to be used alone. MIN-jet Iron cannot be mixed with IMA-jet. Use MICRO-jet Mixable nutrition for IMA-jet compatibility. The physical compatibility of MIN-jet Iron should be tested before use with other products. To determine the physical compatibility of MIN-jet Iron with other products, use a jar test as described: 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.