



MIN-jet Calcium is a water-soluble, buffered tree fertilizer. Calcium is a macro-element essential to cell wall development. MIN-jet Calcium moves readily and is immediately available to trees. MIN-jet Calcium helps to promote healthy green foliage to enhance plant health and recovery from pest infestation. MIN-jet Calcium is a great supplement for hardwood trees as well, and may be used to alleviate calcium deficiencies and promote healthy green foliage.

Guaranteed Analysis:

Calcium carbonate..... 5.0%
 Other Ingredients..... 95.0%
 Total..... 100.0%



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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.

NOTE: This product is NOT a pesticide

APPLICATION & USES

MIN-jet Calcium is for use especially in coniferous trees to be applied to green foliage and for pest recovery. Use in trees following treatment for pest infestations that cause yellowing or needle drop. For example, Hemlock Woolly Adelgid infestations cause a reduction in growth, needle yellowing and premature needle drop. Use to stimulate healthy, green foliage without the addition of Nitrogen. To assure optimum effectiveness, this product must be injected or Micro-infused into the active sapwood (xylem).

APPLICATION RATES

High Rates for MIN-jet Calcium:

Recommended for Fast Uptake Hardwoods. Such as Beech, Birch, Cherry, Elm, Eucalyptus, Horse Chestnut, Linden, Oak, Poplar, Sycamore, Tulip Poplar and Willow.
May be used as formulated or dilute 1 part MIN-jet Calcium to 1 to 3 parts water.

Tree DBH"	MIN-jet Calcium (mL)/ Tree	Water (mL)/ Tree	Total Mix Volume (mL)/ Tree	Number of Tree I.V.s	Number of Injection Sites or # of Arborplugs™
6-10"	32	32	64	1	4
11-15"	65	65	130	1	4
16-20"	108	108	216	1*	6*
21-25"	160	160	320	2	8
26-30"	224	224	448	2	8
31-35"	298	298	596	3	12
36-40"	380	380	760	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

Low Rates for MIN-jet Calcium:

Recommended for Slow and Intermediate Uptake Trees. Such as Conifers, Ornamental and Flowering Trees including American Hornbeam, Ash, Catalpa, Chestnut, Dogwood, Hackberry, Hickory, Honey Locust, Kentucky Coffee, Live Oak, Magnolia, Maple, Osage-Orange, Sourwood, Sweetgum and Walnut .
Dilute 1 part MIN-jet Calcium with 3 to 9 parts water.

Tree DBH"	MIN-jet Calcium (mL)/ Tree	Water (mL)/ Tree	Total Mix Volume (mL)/ Tree	Number of Tree I.V.s	Number of Injection Sites or # of Arborplugs™
6-10"	16	48	64	1	4
11-15"	34	96	130	1	4
16-20"	54	162	216	1*	6*
21-25"	80	240	320	2	8
26-30"	112	336	448	2	8
31-35"	148	446	594	3	12
36-40"	190	570	760	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

GENERAL DIRECTIONS

MIN-jet Calcium 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. It's recommended to perform applications to actively growing trees in full leaf. Conditions that favor transpiration are optimal for injection uptake (i.e., warm soil temperatures >45F, moist, humid conditions). Transpiration in conifers is favored by humid conditions that occur early morning, overcast, rainy or on relatively cool days. 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.

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 Calcium is formulated to be used alone. MIN-jet Calcium cannot be mixed with IMA-jet. Use MICRO-jet Mixable nutrition for IMA-jet compatibility. The physical compatibility of MIN-jet Calcium should be tested before use with other products.

To determine the physical compatibility of MIN-jet Calcium 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 and 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.



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