
**MANGANESE** **CALCIUM** **IRON**

## **MIN-jet** IRON

**A balanced source of chelated micro-elements to treat for iron chlorosis in hardwood trees.** MIN-jet Iron is specifically designed for tree injection and quick distribution in the vascular system of trees. MIN-jet Iron is used with Arborjet's injection systems which ensure proper dosage and immediate activity. MIN-jet Iron contains a balanced source of iron, manganese, zinc, boron, and copper.

### GUARANTEED ANALYSIS:

| | |
|---|---|
| Iron (Fe)Chelated Iron | 0.75% |
| Manganese (Mn)Chelated Manganese | 0.38% |
| Zinc (Zn)Chelated Zinc | 0.20% |
| Boron (B)Chelated Boron | 0.10% |
| Copper (cu)Chelated Copper | 0.10% |
| Other Ingredient | 98.47% |
| Total | 100% |

## **MIN-jet** CALCIUM

**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 and conifer trees to alleviate calcium deficiencies and promote healthy green foliage.

### GUARANTEED ANALYSIS:

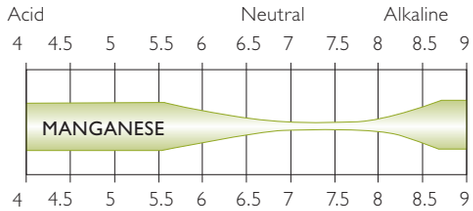
| | |
|---|---|
| Calcium Carbonate | 5.0% |
| Other Ingredient | 95.0% |
| Total | 100% |

## **MIN-jet** MANGANESE

**MIN-jet Manganese is formulated for maple and other diffuse porous hardwood trees to provide the essential micro-elements to alleviate leaf chlorosis (yellowing).** MIN-jet Manganese is water-soluble and compatible with plant sap. MIN-jet Manganese is formulated from organic chelates and contains the highest quality plant-derived minerals. These minerals are immediately available for use by the tree for growth and development. MIN-jet Manganese helps to promote development and function of roots, stem and foliage. MIN-jet Manganese supplies 5,000ppm of manganese and 5,000ppm of iron to alleviate symptoms of leaf yellowing.

### GUARANTEED ANALYSIS:

| | |
|---|---|
| Iron (Fe) | 0.50% |
| Manganese (Mn) | 0.50% |
| Zinc (Zn) | 0.25% |
| Boron (B) | 0.10% |
| Copper (Cu) | 0.10% |
| Other Ingredients | 98.55% |
| Total | 100.00% |




- THE EFFECT OF SOIL PH ON MANGANESE AVAILABILITY IN PLANTS

*The thinner the bar, the less Manganese is available to the plant**

- All of our nutritional products can be injected immediately following any of our pest control applications.
- All of our nutritional products can be mixed with ACE-jet for a combined pest control and nutritional application in one.

**Arborjet recommends immediately addressing nutrient deficiencies, and then developing the long-term soil health plan.*

ARBORjet
Revolutionary Plant Health Solutions


**MIN-jet Iron is effective for:** Oaks, Birch, Beech, Cherry, Elm, Horse Chestnut, Linden, Poplar, Sycamore and many others.

**MIN-jet Manganese is effective for:** Maples, Ash, Catalpa, Hickory, Honey Locust, Live Oak, Sweetgum, Walnut and others.

**MIN-jet Calcium is effective for:** Conifers, ornamental and flowering trees including Maple, Dogwood, Magnolia and Sourwood.

## **MIN-jet** Iron

USE: MIN-jet Iron is specially designed to be the most readily available form of Iron and other essential micro-nutrients for trees. The MIN-jet Iron formulation assists in systemic translocation of these essential micro-nutrients so they are immediately available to promote tree growth and development.

MIN-jet Iron is applied using Arborjet equipment is formulated to be used alone or diluted with water. MIN-jet Iron can be mixed with ACE-jet for a combined insecticide and nutritional application. MIN-jet Iron can be mixed with ACE-jet for a combined insecticide and nutritional application. MIN-jet Iron should not be mixed with any other Arborjet products however it can be applied immediately following the injection of any other Arborjet product and be applied through the same injection sites. MIN-jet Iron is most effective to alleviate chlorosis in hardwood trees.

Recommended for: Oaks, Birch, Beech, Cherry, Elm, Horse Chestnut, Linden, Poplar, Sycamore.

ACTIVE INGREDIENT: The active ingredients are chelated iron, manganese, zinc, boron, and copper. Micro-elements that are chelated are simply described as being readily available for translocation and utilization in the tree.

RESEARCH AND DATA: In studies with Pin Oak growing in alkaline soils, MIN-jet Iron has alleviated iron deficiency, also known as Pin Oak chlorosis. Untreated trees remain thin and yellow, while treated trees developed healthy green foliage.

## **MIN-jet** Calcium

USE: MIN-jet Calcium is specially designed to be the most readily available form of Calcium which is an essential macro-nutrient for cell wall development and makes foliage greener without the use of nitrogen. Min-jet Calcium was designed for application in trees recovering from pest infestation, such as Hemlock Woolly Adelgid.

MIN-jet Calcium is applied using Arborjet equipment and is formulated to be used alone or diluted with water. MIN-jet Calcium does not mix with other Arborjet products however it can be used immediately before or after another treatment using the same Arborplugs already installed from your prior application. MIN-jet Calcium is most effective to alleviate chlorosis in conifers and hardwood trees.

RECOMMENDED FOR: Conifers, Ornamental and Flowering Trees including Maple, Dogwood, Magnolia, and Sourwood.

ACTIVE INGREDIENT: The active ingredient is a high quality calcium carbonate which is readily available for trees to transport and use. Calcium carbonate will quickly deliver calcium to developing cells in the tree.

RESEARCH AND DATA: MIN-jet Calcium has shown efficacy in alleviating chlorosis in conifers in acidic soils. Several studies have shown that Calcium deficiencies are more prevalent in the coastal regions of the U.S. where rain leaches calcium from the root zone. The Mid-west generally does not lack calcium in the soil.

## **MIN-jet** Manganese

USE: MIN-jet Manganese is specially designed to be the most readily available form of manganese and other essential micro-nutrients for trees. The MIN-jet Manganese formulation assists in systemic translocation of these essential micro-nutrients so they are immediately available to promote tree growth and development.

MIN-jet Manganese is applied using Arborjet equipment and is formulated to be used alone or diluted with water. MIN-jet Manganese can be mixed with ACE-jet for a combined insecticide and nutritional application. MIN-jet Manganese should not be mixed with any other Arborjet products however it can be applied immediately following the injection of any other Arborjet product and be applied through the same injection sites. MIN-jet Manganese is most effective to alleviate chlorosis in hardwood trees.

Recommended for: Maples, Ash, Catalpa, Hickory, Honey Locust, Live Oak, Sweetgum, Walnut and others.

ACTIVE INGREDIENT: The active ingredients are chelated manganese, iron, zinc, boron, and copper. Micro-elements that are chelated are simply described as being readily available for translocation and utilization in the tree.

RESEARCH AND DATA: MIN-jet Manganese has shown efficacy in alleviating manganese deficiency in maples. Several studies have shown significant differences between MIN-jet Manganese treated and non-treated Oaks and Maples.

UNTREATED TREE

MIN-jet IRON TREATED TREE

UNTREATED MAPLE

MIN-jet MANGANESE TREATED MAPLE

HEMLOCK SUFFERING FROM CHLOROSIS

HEMLOCK TREATED WITH MIN-jet CALCIUM

100% Recyclable, 30% Post Consumer Waste

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ARBORjet
Revolutionary Plant Health Solutions