

# PALM-JET<sup>+</sup> MAGNESIUM

## PALM NUTRITION

**For Palm and Landscape Tree Injection Only.  
Not Intended for Use as a Soil-Applied Fertilizer**

PALM-jet Mg is specially formulated to inject into palms and landscape trees. PALM-jet Mg is a fertilizer, containing minerals such as Potassium (K) and Magnesium (Mg) to maintain green foliage, alleviate symptoms of Frizzle Top and alleviate seasonal nutrient deficiencies. (Mg is an essential component of chlorophyll).

GRADE: 1-2-2

### GUARANTEED ANALYSIS:

Total Nitrogen (N) .....	1.0%
1.0% Urea Nitrogen (N)	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	2.0%
Soluble Potash (K <sub>2</sub> O) .....	2.0%
Magnesium (Mg) .....	0.75%
0.75% Water Soluble Magnesium (Mg)	
Boron (B).....	0.07%
Iron (Fe) .....	1.0%
1.0% Water Soluble Iron (Fe)	
Manganese (Mn) .....	2.2%
2.2% Water Soluble Manganese (Mn)	
Zinc (Zn).....	0.40%
0.40% Water Soluble Zinc (Zn)	

Derived from: Urea, Monopotassium phosphate, Potassium Hydroxide, Ferrous Sulfate, Manganese Sulfate, Magnesium sulfate, Zinc Sulfate and Boric Acid

**F001813**

## KEEP OUT OF REACH OF CHILDREN

**WARNING:** Best land management practices should be used at all times with any fertilizer; this material should be prevented from entering public or private water supplies (including wells) and any lake, stream or river.

**NET CONTENTS: 1.06 QUARTS NET WEIGHT: 2.75 LBS.**

Information regarding the content and levels of metals in this product is available on the internet at: [www.aapfco.org/metals.htm](http://www.aapfco.org/metals.htm)

## CAUTIONARY STATEMENTS

- Do not inject palms more than three times annually
- Do not inject trees during temperature extremes (<40F or >90F) or when those conditions are expected within the next 48 hours
- Avoid treating during conditions of high heat and humidity (high heat index)
- In summer, always use the lowest dose
- In Phoenix species, always use the lowest dose
- Not recommended for newly planted trees
- Do not treat herbicide damaged trees
- Do not inject trees within two weeks of any other spray or soil chemical treatment
- Drought stressed trees may take longer to inject
- Water trees first if drought stressed to improve uptake

**NOTE:** This product is NOT a pesticide

## GENERAL DIRECTIONS

PALM-jet Mg is designed for use with the Arborjet Tree Injection Systems. It may be used with other injection devices that meet the application and label requirements. Follow equipment manufacturer's directions for use.

### Treating Palms

Measure canopy spread then estimate height of clear trunk to determine the dose to apply in palms. Example: in palms with 12-24' of spread and 20-39' height (medium sized class), apply 10 mls PALM-jet Mg to non-native palms and Phoenix species, and 10-20 mls in native palm species. Dilutions: use as formulated when applying by micro-injection, dilute with 1-3 volumes of water when applying by micro-infusion.

### Treating Hardwoods

Diameter at Breast Height is used for applications in hardwood trees, including Live Oak trees. If measuring circumference, divide by 3.14 to determine DBH. Refer to the Hardwood Tree Rates Table for dosages to apply. When using micro-injection, apply as formulated; when using micro-infusion, dilute in 1-3 volumes of water. Inject every 6" around the lower trunk circumference, applying 8 mls of PALM-jet Mg per injection site.

## APPLICATION & USES

Iron and manganese deficiencies are often associated with calcareous, arid or sandy soil conditions affecting seasonal growth in palms. Useful in palms and landscape trees where iron and manganese deficiencies are difficult to control by foliar or soil applications. Use to promote green foliage.

### Treatment Uses

Iron and Manganese  
Deficiencies  
Nutrient Deficiencies  
Leaf Yellowing  
Interveinal Chlorosis  
Alkaline Soils  
Sandy Soils  
Arid Soil Conditions

### Conditions

Alkaline Soils  
Sandy Soils  
Arid Soil Conditions

For optimum results, treat trees prior to new growth. Systemic activity occurs when PALM-jet Mg moves upward into the crown where it is utilized for new frond growth. Treatments will aid in the development of green fronds. Older fronds are unlikely to recover from severe nutrient deficiencies.

## CLEAN-UP

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

## COMPATIBILITY

PALM-jet Mg is intended to be used alone. Do not mix with or apply into trees with any other formulation, including pesticides.

## RESTRICTIONS

Keep away from children  
Keep away from heat and open flame

## APPLICATION RATES

### Palm Rates:

**Use: Inject as formulated or dilute with 1 - 3 volumes of water**

**Summer Use: always use lowest dose listed**

\* In Canary Palms (*Phoenix canariensis*) and other Phoenix species, always use the lowest dose listed

Plant Size Class	Plant Size (Canopy Spread)	Trunk Height Range (ft.)	PALM-jet Dose (mLs)/Palm
Small	6 - 12'	5 - 19'	5 - 10
Medium	12 - 24'	20 - 39'	10 - 20
Large	24 - 48'	40 - 100'	20 - 30

Use both canopy spread and trunk height to determine size class for application rate.

Mix only what you intend to use per tree, or use within 24 hours of mixing. Only 1 injection site is generally required.

### Hardwood Tree Rates (including Live Oaks):

**Spring and Fall Use: as formulated or dilute with 1 - 3 volumes of water**

**Summer Use: as formulated**

DBH"	PALM-jet Mg Dose (mls) / Tree
3 - 6"	24
7 - 9"	32
10 - 11"	40
12 - 13"	48
14 - 15"	56
16 - 17"	64
18 - 19"	72
20 - 21"	80
22 - 23"	88
24 - 25"	96

### 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 by triple rinsing and offering for recycling.

### 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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