**NUTRI-JECT® IRON MANGANESE ZINC**

**TREE TECH® MICROINJECTION SYSTEM FOR MACRONUTRIENT AND MICRONUTRIENT APPLICATION IN TREES AND WOODY ORNAMENTAL PLANTS**

**CONTENTS**

100 microinjection units each containing 12 mL of liquid fertilizer formulation

**GUARANTEED ANALYSIS**

<table>
<thead>
<tr>
<th>Element</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Nitrogen (N)</td>
<td>0.83</td>
</tr>
<tr>
<td>0.39% Ammoniacal Nitrogen</td>
<td></td>
</tr>
<tr>
<td>0.44% Nitrate Nitrogen</td>
<td></td>
</tr>
<tr>
<td>Available Phosphate as P₂O₅</td>
<td>0.85</td>
</tr>
<tr>
<td>Soluble Potash (1(20)</td>
<td>0.75</td>
</tr>
<tr>
<td>Calcium (Ca)</td>
<td>0.104</td>
</tr>
<tr>
<td>Magnesium (Mg)</td>
<td>0.107</td>
</tr>
<tr>
<td>Copper (Cu)</td>
<td>0.11</td>
</tr>
<tr>
<td>Iron (Fe)</td>
<td>1.53</td>
</tr>
<tr>
<td>Manganese (Mn)</td>
<td>1.25</td>
</tr>
<tr>
<td>Zinc (Zn)</td>
<td>1.53</td>
</tr>
</tbody>
</table>

Primary plant nutrient sources derived from Ammonium Nitrate, mono-Ammonium Phosphate, Potassium Nitrate, Calcium Nitrate, Magnesium Nitrate (MCC Mag-Nite), and Copper, Iron, Manganese and Zinc EDTA (Ethylenediamine Tetraacetate).

NUTRI-JECT IRON MANGANESE ZINC label and microinjection instructions must be read and understood prior to use or installation of Tree Tech Microinjection units. Failure to follow these instructions may lead to mechanical or phytotoxic damage to treated trees.

1. Protective eyewear should be worn while handling or installing the microinjection unit to prevent accidental contact with the eyes.

2. When properly installed, the microinjection unit generates internal pressure resulting in the flow of NUTRI-JECT IRON MANGANESE ZINC solution through the dispenser tube. The microinjection unit must never be activated unless installed correctly and securely in the tree to be treated.

3. Microinjection units containing NUTRI-JECTION MANGANESE ZINC may require several hours or more to empty depending on the nutrient health of the treated tree and local weather conditions. Never assume that microinjection units have depressurized completely because they appear nearly empty or empty.

4. After microinjection units are removed from treated trees they should be put into the heavy-duty plastic disposal bag included in each case of microinjection units. The bag should be properly sealed and placed in the original carton.

**INSTALLING MICROINJECTION UNITS**

The following instructions must be heeded to ensure safe and effective use of the microinjection units containing NUTRI-JECT IRON MANGANESE ZINC fertilizer:

1. Determine the number of microinjection units to be installed based upon the health and vigor of the plant to be treated. Microinjection units should be installed every 6 inches of stem circumference. Unless otherwise noted, microinjection units should be installed in the stem and root flares near the ground line, i.e., 6.0-to-8.0 in. (15-to-20 cm) from the soil surface.

2. Using a portable electric drill (600-800 rpm capacity is preferred) with a sharp, clean 11/64-in. (0.4-cm) bit, the installer should drill a hole at the correct stem circumference spacing to a depth of 3/8-to-1/2 in. (0.60-to-1.3 cm) into the wood (xylem) under the bark. A downward angle of 45 degrees is recommended for more complete drainage of the microinjection unit.

3. After reaching the proper depth range, the drill bit should be withdrawn carefully to avoid dislodging bark fragments around the exterior opening of the hole. The microinjection unit should then be inserted into the hole. To minimize the flow of tree sap or resin into the hole, without delay, place the plastic installation cap over the plunger end, strike the cap with a plastic hammer to seat the microinjection unit firmly in the hole. If the microinjection unit is not properly positioned
in the hole, strike the cap again until correctly seat-
ed. By striking the microinjection unit, the back end
of the feeder tip is forced back into the funnel-
shaped section dislodging a septum which allows
the NUTRIJECT IRON MANGANESE ZINC
fertilizer to flow from the microinjection unit into the
tree.

4. When the microinjection unit is positioned correctly
in the tree and the internal septum is dislodged to
permit the flow of NUTRI-JECT IRON MANGANESE
ZINC, remove the cap and push the plunger portion
of the unit further downward until it is flush with the
edge of the barrel. This engages the locking
mechanism which pressurizes the microinjection unit
and assists in the evacuation of NUTRI-JECT IRON
MANGANESE ZINC fertilizer from the microinjection
unit and movement into the vascular system of the
tree.

5. When removing microinjection units, the individual
should cover the microinjection unit with one hand
near the point of insertion into the stem while
grasping the barrel end of the microinjection unit with
the other hand. The microinjection unit should be
turned slightly as it is slowly withdrawn from the tree.
Careful removal of microinjection units should
prevent accidental spillage of fertilizer.

STORAGE AND DISPOSAL

STORAGE
Store microinjection units in a cool, dry place. Do not
expose to temperatures below 32 degrees F (zero
degrees C).

Protect from excessive heat.

MICROINJECTION UNIT DISPOSAL
Do not reuse microinjection units. Used
microinjection units should be placed in the heavy-
duty plastic bag which accompanies each case of
microinjection units. The bag should be properly
sealed, placed into the original shipping carton and
returned freight prepaid for disposal to:

Tree Tech® Microinjection Systems
950 SE 215th Ave
Morrison Fl 32668

IMPORTANT INFORMATION
READ BEFORE USING PRODUCT

LIMITED WARRANTY:
1. Tree Tech® Microinjection Systems
warrants that this product conforms to the
description on the label and is reasonably fit for
use under average conditions when used strictly
in accordance with the directions on the labeling.
Tree Tech® Microinjection Systems does not
make nor authorize any agent or representative
to make any other warranty, guarantee or
representation, express or implied, concerning
this product. Specifically, NO IMPLIED
WARRANTY OF MERCHANTABILITY OR FIT-
NESS FOR ANY PARTICULAR PURPOSE IS
MADE.

2. Critical and unforeseeable factors beyond
the control of Tree Tech® Microinjection
Systems prevent it from eliminating all risks in
connection with the use of this product. Such
risks include, but are not limited to, damage to
plants to which the product is applied, lack of
complete control over the handling and
application of this product, and damage caused
to plants or crops. Such risks occur even though
the product is reasonably fit under average
conditions for the uses stated on the labeling
and even though label directions are followed.
Buyer and user acknowledge and assume all
risks and liability (except those assumed by Tree
Tech® Microinjection Systems under 1. above)
resulting from handling, storage and use of this
product.

3. Precautions stated on the labeling should
be followed. Neither Tree Tech® Microinjection
Systems nor its employees or distributors will be
liable for any damages resulting from improper
use of the microinjection units.

Florida Silvics, Inc.
(dba Tree Tech® Microinjection Silvics, Inc.
950 SE 215th Ave
Morrison Fl 32668

NUTRI-JECT and Tree Tech are Reg. TM of Florida Silvics, Inc.

Made in U.S.A.