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64014-11

11-10-97

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

64014-11

Date of Issuance:

NOV 10 1997

Term of Issuance: Conditional

Name of Pesticide Product:

Tree Tech™ OTC-Ca

NOTICE OF PESTICIDE:

XX Registration
____ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Florida Silvics, Inc.
dba Tree Tech Microinjection Systems
479 S.W. 42nd Street
Williston, FL 32696

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 64014-11".
 - b. Make sure that the bearing crops are clearly separated from the non-bearing crops on the label with proper headings for each.
3. Submit two copies of the revised final printed label for the record.

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Signature of Approving Official:

Mary L. Waller

Mary L. Waller
Acting Product Manager (21), Fungicide
Branch, Registration Division (7505C)

Date:

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

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TREE TECH™ OTC-Ca

A Systemic Oxytetracycline Antibiotic Solution
Administered by the TREE TECH™ Microinjection
System to Aid in the Control of Certain Bacterial and
Mycoplasma-like Diseases of Trees, Woody Shrubs, and Palms

Contains TREE TECH OTC-Ca
Systemic Antibiotic Solution

A Microinjection System Utilizing a Systemic Oxytetracycline Antibiotic Solution which Aids in the Control of Fire Blight, X-disease, Bacterial Leaf Spot, and Decline of Crop-bearing Peach and Pear trees. TREE TECH OTC-Ca also aids in the Control of Certain other Bacterial and Mycoplasma-like Diseases of Forest, Ornamental, Crop-bearing and Non-crop-bearing Trees, Woody Shrubs and Palms such as Ash Yellows, Elm Yellows, Fire Blight, Leaf Scorch, Wetwood, and Lethal Yellows of Coconut Palm and Lethal Decline of Pritchardia Palm.

ACTIVE INGREDIENT:

Oxytetracycline Calcium complex.....	4.57%
INERT INGREDIENTS	<u>95.43%</u>
	100.0%

NET CONTENTS: Each microinjection unit contains 0.4 grams a.i. oxytetracycline

EPA Reg. No. 64014-XX

EPA Est. No. 64014-FL-001

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

CAUTION

**See Rear Panel for Statements of Practical
Treatment and Other Precautionary
Statements**

ACCEPTED
with COMMENTS
In EPA Letter Dated

NOV 10 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

64014-11

NET CONTENTS

10 mL per microinjection unit
100 microinjection units (1000 mL total) per carton
Sold by:
FLORIDA SILVICS, INC.
(dba TREE TECH MICROINJECTION SYSTEMS)
1879 S.W. 18TH AVE.
WILLISTON, FL 32696

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND DOMESTIC ANIMALS
CAUTION**

Causes moderate eye irritation. May cause allergic reactions. Avoid contact with eyes or clothing. Harmful if inhaled. Avoid breathing dust. Protective eye wear and chemical-resistant gloves must be worn while handling or installing microinjection units to prevent accidental contact with the eyes or skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash separately from household items before reuse.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistant selection chart.

Applicators and other handlers when installing or removing this product must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate or butyl rubber, or polyvinyl chloride
- Shoes plus socks
- Protective eye wear

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

USER SAFETY RECOMMENDATIONS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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STATEMENT OF PRACTICAL TREATMENT:

If Inhaled: Remove victim to fresh air. Get medical attention. If not breathing, give artificial respiration, preferably mouth-to-mouth.

If Swallowed: Call a physician or poison control center immediately. Give one or two glasses of water and induce vomiting by gently touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

If on Skin: Remove contaminated clothing and wash affected area with soap and warm water.

If in Eyes: Flush eyes with plenty of water. Call a physician if irritation exists.

ENVIRONMENTAL HAZARDS

Do not use on crops except as indicated on this label. Do not apply to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters.

PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

PRECAUCION AL USARIO: Si Usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forest nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

IMPORTANT: Read these entire **DIRECTIONS FOR USE, GENERAL INFORMATION, and CONDITIONS OF SALE** before using TREE TECH OTC-Ca as they are written exclusively for using TREE TECH OTC-Ca applied internally in the Tree Tech microinjection unit only.

Applying TREE TECH OTC-Ca using the TREE TECH microinjection system:

TREE TECH OTC-Ca label and microinjection instructions must be read and understood prior to use or installation of Tree Tech Microinjection Systems microinjection units. Failure to follow these directions may lead to injury to the installer or other persons as well as mechanical or phytotoxic damage to treated trees. The following instructions must be heeded to ensure safe and effective use of the microinjection units containing TREE TECH OTC-Ca antibiotic solution:

1. Protective eye wear and rubber or neoprene gloves must be worn while handling or installing the microinjection unit to prevent accidental contact with the eyes or skin.
2. When properly installed and activated, the microinjection unit generates internal pressure resulting in the flow of TREE TECH OTC-Ca solution through the dispenser tip. The microinjection unit must never be activated unless installed correctly and securely in the tree to be treated.
3. Microinjection units containing TREE TECH OTC-Ca may require up several hours to empty depending on the health of the treated tree and local weather conditions. Never assume that microinjection units have depressurized completely because they appear nearly empty or empty. When removing microinjection units, individuals must wear proper eye protection and rubber or neoprene gloves. The individual should then 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.

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4. After microinjection units are removed from treated trees they must be discarded 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. Sealed cartons may be returned freight prepaid to Florida Silvics, Inc. (dba Tree Tech Microinjection Systems), 1879 S.W. 18th Ave., Williston, FL 32696 for disposal.

Installing Microinjection Units:

1. Determine the number of microinjection units to be installed based upon the spacing of microinjection units at 6-inch intervals around the stem. Unless otherwise noted, microinjection units should be installed in the stem and root flares near the ground line, i.e., 2.0-to-8.0 in. or 5-to-20 cm, from the soil surface.

2. Using a cordless electric drill (600-800 rpm) 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. (1.0-to-1.3 cm) into the wood (xylem) under the bark. A downwardly angle of 45° 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. Insert the microinjection unit

into the hole without delay. Placing the plastic installation cap over the rear barrel end, strike the cap with a plastic hammer to seat the microinjection unit firmly into the hole. If the microinjection unit is not properly positioned in the hole, strike the cap again until correctly seated. By striking the microinjection unit, the frontal dispenser tip is forced into the funnel-shaped section dislodging an internal septum which allows the TREE TECH OTC-Ca solution to flow from the microinjection unit into the tree. When the microinjection unit is positioned correctly in the tree and the septum is dislodged, remove the cap. Push the rear barrel portion of the unit downwardly until the locking mechanism is engaged. This pressurizes the microinjection unit and assists in the movement of TREE TECH OTC-Ca into the vascular system of the tree.

4. When the microinjection unit is positioned correctly in the tree and the septum is dislodged, remove the cap. Push the rear barrel portion of the unit downwardly until the locking mechanism is engaged. This pressurizes the microinjection unit and assists in the movement of TREE TECH OTC-Ca into the vascular system of the tree.

5. Each hole should be drilled and a microinjection unit installed without delay. After the unit is properly seated, it should be activated. This sequence minimizes the flow of tree sap or resin into the hole prior to uptake of TREE TECH OTC-Ca during the microinjection process.

6. When properly installed, the microinjection unit generates internal pressure resulting in the flow of TREE TECH OTC-Ca solution through the dispenser tip. The microinjection unit must never be activated unless installed correctly and securely in the tree to be treated.

7. Microinjection units containing TREE TECH OTC-Ca may require several hours to empty depending on the health of the treated tree and local weather conditions. Microinjection units should be removed as soon as the evacuation of TREE TECH OTC-Ca systemic antibiotic solution is completed.

APPLICATION: Apply in all cases when plant root systems are established and actively growing. Applications should be applied to the following host plants at first evidence of symptom appearance to maximize the potential for disease control:

<u>Disease</u>	<u>Host</u>	
	<u>Non-crop-bearing</u>	<u>Crop-bearing</u>
Bacterial blast	apple pear	pear
Bacterial blight	flowering crabapple hawthorn lilac walnut	
Bacterial canker	hickory horsechestnut maple mimosa oak Persian walnut walnut	
Bacterial leaf scorch	oak	
Blossom blast	citrus grapefruit lime tea rose walnut	
Blossom blight and canker	almond apricot cherry peach pear plum	peach pear
Bunch disease	butternut pecan	

	walnut	
Crown gall	flowering quince quince	
Decline	peach pear nectarine	
Fire blight	apple apricot cherry chokeberry cliff rose cotoneaster crabapple creambush firethorn flowering quince hawthorn Indian hawthorn loquat mountain ash ninebark peach pear pearlbush photinia plum quince rose serviceberry	peach pear
Fruit spot	avocado	
Leaf and shoot blight	mock orange	
Leaf blight and brown rot	mandarin orange	
Leaf spot	basswood hibiscus magnolia	
Lethal decline	Pritchardia palm	

Lethal yellows	palm	
Phloem necrosis	elm	
Stem canker	poplar	
Stubborn disease	citrus	
Tip dieback	maple	
Vascular yellows	ash elm	
Wetwood / slime flux	apple cherry elm hickory maple oak peach pear plum poplar walnut	peach pear
Witches'-broom (caused by mycoplasma-like organisms)	apple ash dogwood elm lilac locust peach sassafras	
X-disease	cherry chokecherry nectarine peach plum	peach

***NOTE:** Non-crop-bearing refers to trees that will not bear harvestable fruit within twelve months of application.

Install one (1) microinjection unit every six (6) inches around the circumference of the stem approximately 4-to-12 inches from the ground line. Make applications of TREE TECH OTC-Ca when symptoms first appear and repeat as necessary to aid in disease control. Make no more than

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three (3) applications per year to forest, ornamental, and non-crop-bearing trees, and woody shrubs. Make no more than four (4) applications per year to palms.

STORAGE AND DISPOSAL

STORAGE: Store product in the closed, original container in a cool, dry, locked place out of reach of children. Store microinjection units at room temperature (45 degrees to 75 degrees F). Do not freeze. Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site according to local regulations or at an approved waste disposal facility.

MICROINJECTION UNIT CONTAINER 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 may be returned for disposal freight prepaid to Tree Tech Microinjection Systems, 1879 S.W. 18th Ave., Williston, FL 32696.

GENERAL INFORMATION

TREE TECH OTC-Ca systemic antibiotic solution is for use by commercial applicators on all species of trees as well as woody shrubs and palms in commercial and residential landscapes, interior and exterior plantscapes, roadsides, gardens, parks, golf courses, lawns, ground, and other areas where plants are grown.

CONDITIONS OF SALE

THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. TREE TECH MICROINJECTION SYSTEMS OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF TREE TECH MICROINJECTION SYSTEMS, AND ARE THEREFORE, THE RESPONSIBILITY OF THE BUYER.

1. Tree Tech Microinjection Systems warrants that this product conforms to the chemical description on the label and is reasonably fit for the use under average conditions when used strictly in accordance with the directions on the labeling. Tree Tech Microinjection Systems

does not make or 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 FITNESS 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 by movement to other 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. Tree Tech Microinjection Systems shall not be liable to Buyer for any consequential special or indirect damages alleged to arise from Tree Tech Microinjection Systems' performance or non-performance of its obligations from the use, sales or handling of the Product, regardless of any goods found by Tree Tech Microinjection Systems to be defective. Any such claims shall be deemed waived unless made in writing within fifteen (15) days of the Buyer's receipt of the Product or Buyer's discovery of defective Product, whichever date is later.

4. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product. Neither Tree Tech Microinjection Systems nor its employees or distributors will be liable for any damages resulting from improper use of the microinjection units.

TREE TECH- Reg. TM of Florida Silvics, Inc.