

ALSA PROPICONAZOLE 14.3 EC

A SYSTEMIC FUNGICIDE FOR CONTROL OF CERTAIN TREE DISEASES BY FLARE ROOT INJECTION TREATMENTS

(FLARE ROOT INJECTION TREATMENTS NOT REGISTERED FOR USE IN CA)

ACTIVE INGREDIENT:

Propiconazole 1-[[2-(2,4-dichlorophenyl)-

4-propyl-1,3-dioxolan-2-yl] Methyl]-1H-1,2,4-triazole

14.3%

OTHER INGREDIENTS

85.7%

TOTAL 100.0%

EPA REG. NO. 64014-14

EPA EST. NO. 64014-FL-1

STOP: READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

WARNING – AVISO

PRECAUCION AL USUARIO: Si Usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

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

FIRST AID	
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-to-20 minutes.• Remove contact lenses, if present, after the first 5 minutes; continue to rinse eyes.• Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• DO NOT give any liquid to the person.• DO NOT induce vomiting unless told to do so by a poison control center or doctor.• DO NOT give anything to an unconscious person.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product call 1-800-308-5391.	
NOTE TO PHYSICIAN: There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give a saline laxative and supportive therapy.	

Manufactured by: FLORIDA SILVICS, INC.
(dba Tree Tech Microinjection Systems)
950 SE 215th Avenue, Morriston, FL 32688 U.S.A.
(352) 528-5335

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING-AVISO: Causes substantial, but temporary eye injury. **DO NOT** get into eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with skin or clothing. Avoid breathing vapor or spray mist.

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-resistance category selection chart.

Applicators and other handlers must wear:

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. **DO NOT** apply directly to water, or to 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 water.

PHYSICAL OR 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. Use only as directed for tree injection using the Tree Tech Microinjection Systems' microinjection unit.

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

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, forests, 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) and restricted-entry intervals.

The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

THE RESTRICTED-ENTRY INTERVAL (REI) FOR THIS PRODUCT IS "0" HOURS.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR INEFFECTIVE DISEASE CONTROL.

DISEASE TREATMENT IN TREES USING THE TREE TECH MICROINJECTION SYSTEM

INFORMATION

ALSA Propiconazole 14.3 EC is a systemic fungicide for use as a flare root injection procedure using only the Tree Tech[®] microinjection unit for disease prevention and (re)treatment for (1) oak wilt (*Ceratocystis fagacearum*) of oaks (*Quercum* spp.), (2) Dutch elm disease (*Ophiostoma ulmi*) of elms (*Ulmus* spp.), (3) sycamore anthracnose (*Apiognomonia veneta*), and (4) leaf diseases (i.e., *Venturia inaequalis*, *Gymnosporangium juniperi-virginianae*, *Pucciniastrum goeppertianum*, etc.) of crabapple (*Malus* spp.). It is required that ALSA Propiconazole 14.3 EC be administered by certified arborists or commercial pesticide applicators trained in Tree Tech Microinjection Systems' microinjection technology and in the identification of tree diseases.

Re-treatment

To determine the need for ALSA Propiconazole 14.3 EC re-treatment, record the level of disease in each tree at the time of initial injection. Re-evaluate disease levels in trees at 3-month intervals after initial treatment to determine the need for re-treatment. Consider preventive applications 3-to-12 months after the initial injection. Evaluate trees in high disease risk areas or high value trees for possible re-treatment 3 months after each treatment. Follow application procedures described above for repeat injection applications. New drill holes into previously undrilled stem and root tissue are required when repeating injections.

INSTALLING AND REMOVING TREE TECH MICROINJECTION UNITS

1. Heavy, thick or loose outer bark may be carefully shaved to form a smoother injection point and to assure the operator that the drill hole penetrates through the bark to the xylem tissue. Individual ALSA Propiconazole 14.3 EC microinjection units should be installed at intervals not exceeding 5 inches apart on flare roots and around the trunk circumference at the base of the tree.

2. Using a portable electric drill (600-to-800 rpm range) with a sharp, clean 11/64 inch (0.4cm) bit, the installer should drill a hole at each selected spacing to a depth of 1/4-to-1/2 inch (0.6-to-1.3 cm) through the bark into the wood (xylem). A slight downwardly drilling angle is recommended for more complete drainage of the Tree Tech microinjection unit. Wash the drill bit between trees with a solution of one (1) part household bleach to four (4) parts water. Rinse with clean water.

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 is inserted into the hole and the rear barrel portion partially compressed without engaging the locking mechanism and barrel segments. Placing the plastic installation cap over the plunger end, strike the cap with a plastic hammer or rubber mallet 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 seated. By striking the microinjection unit, the back end of the feeder tip is forced back into the funnel-shaped section dislodging a septum that allows the solution to flow from the microinjection unit into the tree. When the microinjection unit is positioned correctly in the tree and

the internal septum is dislodged, remove the cap and, if necessary, push the rear barrel portion of the unit further downwardly until it is flush with the edge of the locking mechanism. This pressurizes the microinjection unit and assists in the evacuation of ALSA Propiconazole 14.3 EC into the vascular system of the tree. Alternatively, the septum may be dislodged from the funnel-shaped section by supporting the unit on a flat surface and drilling the septum out, then inserting the unit over the back of the feeder tip.

4. Each hole should be drilled and a microinjection unit installed without delay. After the microinjection unit is properly seated, it should be activated. This sequence minimizes the flow of tree sap or resin into the hole prior to ALSA Propiconazole 14.3 EC microinjection.

5. When properly installed, the microinjection unit generates internal pressure resulting in the flow of ALSA Propiconazole 14.3 EC solution through the dispenser tube. The microinjection unit must never be activated unless installed correctly and securely in the tree to be treated.

6. Microinjection units containing ALSA Propiconazole 14.3 EC may require up to several hours or more 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 chemical-resistant 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.

7. After the microinjection units are removed from treated trees they must be discarded into the heavy-duty plastic disposal bag included in each case of injector units. The bag should be properly sealed and placed in the original carton. Sealed cartons should be returned freight prepaid to Tree Tech Microinjection Systems, 950 SE 215th Avenue, Morriston, FL 32668.

OAK WILT: OAKS

Preventative and Therapeutic Treatment

In the upper Midwest, treat oaks after mid-June. Wounds in oaks in the upper Midwest between mid-May and mid-June may attract insects that transmit the oak wilt pathogen.

Oak trees exhibiting less than 20% crown loss from oak wilt have the best chance of responding to treatment by ALSA Propiconazole 14.3 EC. Preventative application is more effective than therapeutic treatment. Trees in advanced stages of disease development may not respond to treatment.

Uninfected trees will generally absorb the full amount of ALSA Propiconazole 14.3 EC within 2 hours when injected under pressure. Trees exhibiting specific symptoms or those symptomless trees immediately adjacent to a diseased tree should be considered infected. Symptomless trees separated by a primary plow line from diseased trees may be at less risk of infection. Infected trees will absorb the fungicide more slowly due to the vascular plugging caused by the disease. If the ALSA Propiconazole 14.3 EC solution is not absorbed within 24 hours, the tree is considered high risk and has a poor chance of survival.

See the **INFORMATION** section for details on re-treatment.

LEAF DISEASES: CRABAPPLES

Preventative Treatment

Make applications when the trees are in full leaf and actively growing for control of the next season's leaf disease development. Disease symptoms may not be reduced the year of application. **DO NOT** use fruit from treated trees for food and feed purposes.

See the **INFORMATION** section for details on re-treatment.

ANTHRACNOSE: SYCAMORE

Preventative Treatment

Make applications when the trees are in full leaf and actively growing for control of the next season's anthracnose development. Disease symptoms may not be reduced the year of application. **DO NOT** use fruit from treated trees for food or feed purposes.

See the **INFORMATION** section for details on re-treatment.

DUTCH ELM DISEASE IN ELMS

Preventative and Therapeutic Treatment

Accurate diagnosis of Dutch elm disease is important since ALSA Propiconazole 14.3 EC only provides control of Dutch elm disease in elms. ALSA Propiconazole 14.3 EC will be most effective when used in conjunction with other cultural practices recommended for management of Dutch elm disease (removal of dead elm trees, pruning of diseased tree limbs and branches, control of bark beetles, etc.). Trees in advanced stages of disease development may not respond to treatment. For further information on the proper diagnosis and control of Dutch elm disease, consult your local extension agent.

See the **INFORMATION** section for details on re-treatment.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal of microinjection units.

PESTICIDE STORAGE: Store microinjection units in the closed, original container in a cool, dry, locked place out of reach of children. Store microinjection units at room temperature (45 degrees F-to-74 degrees F). Do not freeze.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited.

MICROINJECTION UNIT CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill microinjection unit. Place in trash or offer for recycling, if available.

IF EMPTY: Do not reuse this container. Used microinjection units must be placed in the heavy-duty plastic bag that accompanies each case of microinjection units. The bag must be properly sealed, placed into the original shipping carton and returned freight prepaid for disposal to Tree Tech Microinjection Systems, 950 SE 215th Ave, Morriston, FL 32668.

IF PARTLY EMPTY: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call CHEMTREC at 800-424-9300 day or night.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. To the extent consistent with applicable law, (1) the goods delivered to you are furnished "as is" by manufacturer or seller and (2) manufacturer and seller make no warranties, guarantees, or representations of any kind to buyer or user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use, or eligibility of the product for any particular trade usage. Unintended consequences, including but not limited to ineffectiveness, may result because of such factors as the presence or absence of other materials used in combination with the goods, or the manner of use or application, including weather, all of which are beyond the control of manufacturer or seller and assumed by buyer or user. This writing contains all of the representations and agreements among buyer, manufacturer, and seller, and no person or agent of manufacturer or seller has any authority to make any representation or warranty or agreement relating in any way to these goods.

LIMITATION OF LIABILITY

To the fullest extent consistent with applicable law, in no event shall manufacturer or seller be liable for special, incidental, or consequential damages, or for damages in the nature of penalties relating to the goods sold, including use, application, handling, and disposal. To the fullest extent consistent with applicable law, manufacturer or seller shall not be liable to buyer or user by way of indemnification to buyer or to customers of buyer, if any, or for any damages or sums of money, claims or demands whatsoever, resulting

from or by reason of, or rising out of the misuse, or failure to, follow label warnings or instructions for use, of the goods sold, by manufacturer or seller to buyer. All such risks shall be assumed by the buyer, user, or its customers. To the extent consistent with applicable law, buyer's or user's exclusive remedy, and manufacturer's or seller's total liability shall be for damages not exceeding the cost of the product.

Read and follow label instructions carefully. If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use this product and return it unopened to the seller, and the purchase price will be refunded.

ALSA and Tree Tech are trademarks of Florida Silvics, Inc.



Tree Tech[®] *microinjection systems*

Buyer and/or user are notified that this product is sold only for professional commercial use by personnel properly trained and supervised by the buyer and that this product is not for personal or home use. A material Safety Data Sheet is available for this product and is to be followed prior to use.

Tree Tech[®]
microinjection systems

**Please see other side
for installation instructions.**

950 SE 215th Ave.
Morrison, FL 32668
1-800-622-2831
e-mail: info@treotech.net
www.treotech.net

Storage

Keep microinjection units dry and cool.
(above freezing but under 100°F)

not over 100°F

not under 32°F



Tools

Cordless power drill, sharp 1 1/64-inch bit,
and plastic-faced hammer or rubber mallet



Clothing

When handling, installing, or removing
microinjection units, wear safety glasses
protective clothing, and chemical-resistant
gloves.

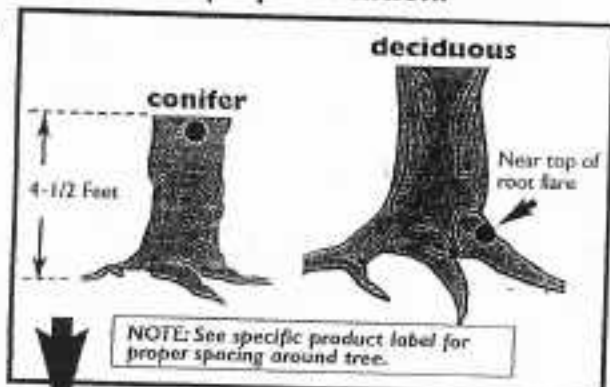




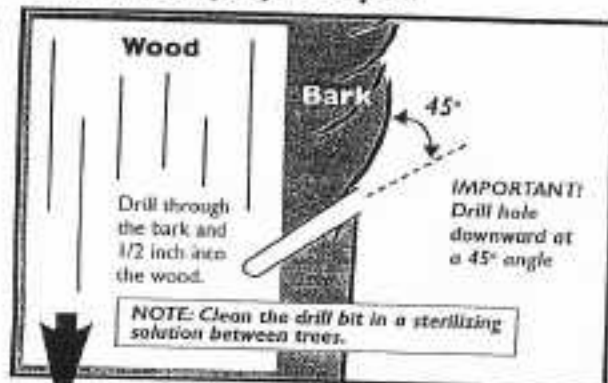
Tree Tech®
microinjection systems

How to Install Microinjection Units

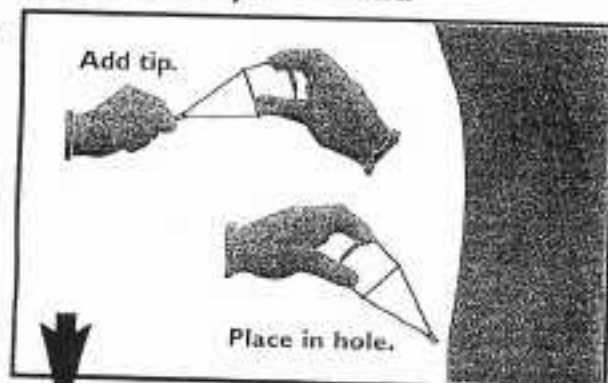
1. Drill hole at proper location.



2. Drill hole to proper depth.



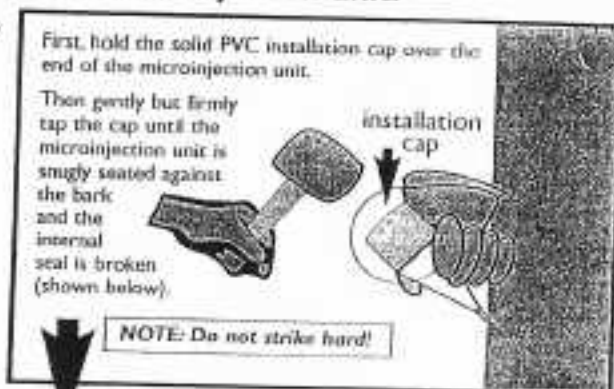
3. Insert microinjection unit.



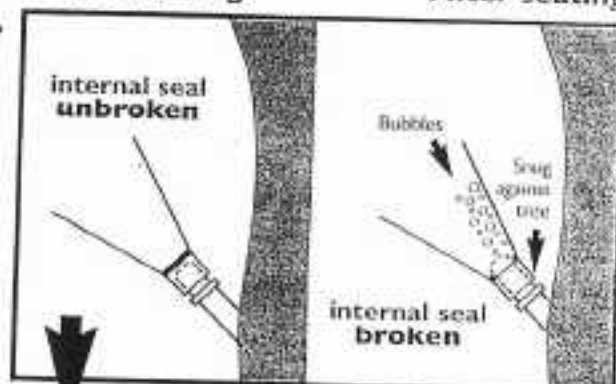
4. Do not strike microinjection unit directly!



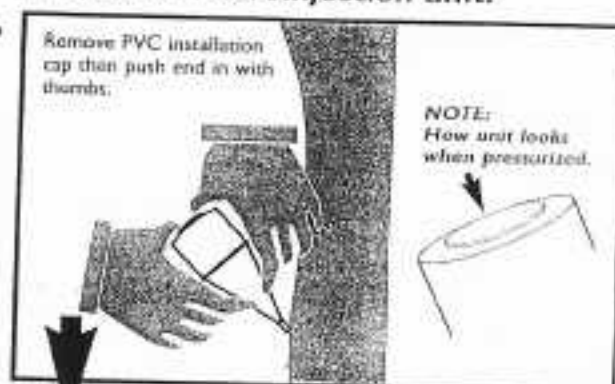
5. Seat microinjection unit.



6. Before seating After seating



7. Pressurize microinjection unit.



8. Remove empty microinjection unit.

