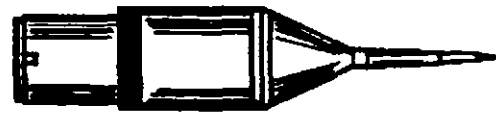


SYSTREX™ / NUTRIENT

A Systemic Fungicide/Micronutrient Solution Administered by the ARBOR Microinjection System



For The Treatment of Tree Decline Contains BAYLETON® SYSTEMIC FUNGICIDE

An Injection System Utilizing a Systemic Fungicide for the Suppression of *Fusarium* spp. and the Control of other Plant Diseases as listed which Attack Forest, Ornamental, Non-Crop-Bearing and Christmas Trees which display Decline Symptoms.

ACTIVE INGREDIENT:		
1-(4-chlorophenoxy)-3,3-(dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone	-	0.88%
INERT INGREDIENTS:		99.12%
	Total	100.00%

U. S. Patent No. 3,912,752; Bayleton is a Reg. TM of Bayer AG, Germany

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENTS OF PRACTICAL TREATMENT

In case of poisoning call a physician or poison control center. Have the patient lie down and keep quiet. **IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists. **IF ON SKIN:** Remove contaminated clothing and immediately wash affected area with soap and warm water. If irritation occurs get medical attention. **IF INHALED:** Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical attention. **IF SWALLOWED:** Call a physician or poison control center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and 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.

See Side/Back Panel for Additional Precautionary Statements.
EPA REG. NO. 64014-3 EPA EST NO. 64014-NY-1

NET CONTENTS: Each Injection unit contains 0.0012 ounce by weight or 8 ml of 0.88% A.I. triadimefon systemic fungicide (SYSTREX™ / NUTRIENT) in a readily absorbed water soluble, chelated plant food base which contains nitrogen, phosphorous, potash, iron and zinc.

TREE TECHNOLOGY SYSTEMS INC.

1014 REIN ROAD, CHEEKTOWAGA, NY 14225 U.S.A.

PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if inhaled. Avoid breathing vapors. Protective eyewear and rubber or neoprene gloves must be worn while handling or installing injectors to avoid accidental contact with the eyes or skin. This product may cause allergic skin reactions. Wash thoroughly with water after handling. Remove contaminated clothing and wash separately from household items before reuse.
ENVIRONMENTAL HAZARDS
 Do not use on crops grown for food or forage. Do not apply directly to water or to areas where surface water is or to intertidal areas below the mean high water mark. Contaminate water when disposing of equipment or parts.

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 on label.

STORAGE AND DISPOSAL
 Store above freezing. Do not contaminate water, food, or feed by storage or disposal. **STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. **Microinjection Unit; CONTAINER DISPOSAL:** Do not reuse microinjectors. Used microinjection units should be placed in the heavy-duty plastic bag which accompanies each of injector units. The bag must be properly sealed, placed into the original shipping carton and returned freight prepaid to Tree Technology Systems, Inc., 1014 Rein Road, Cheektowaga, NY 14225.

GENERAL INFORMATION
 Valuable ornamental trees on golf courses, parks, or urban or recreational areas often decline in growth due to physiological changes inflicted by *Fusarium* spp. Powdery Mildew, Leaf and Tip Blight, and by nutrient deficiencies. This decline can be successfully treated and trees can be saved by initiating a cultural/chemical program to revitalize the trees. SYSTREX™ / NUTRIENT has, in most cases, been successfully used to suppress tree decline symptoms when applied according to these label instructions on trees which exhibit early symptoms of decline, i.e. premature leaf or branch shedding, foliar yellowing, and/or branch or twig dieback. Due to the inherent difficulty of diagnosing the extent and abiotic injury incurred and expressed by declining trees, the responsibility of selecting trees for treatment is that of the buyer. The buyer accepts liability and responsibility for the failure of treated trees to exhibit suppressed decline symptoms. Successful foliar response to injection treatments has been associated with treatments applied annually for at least two years.

SYSTREX™ / NUTRIENT can be used as a very important segment of a program to revitalize these weakened trees. It is a ready-to-use fungicide/fertilizer injection for the treatment of trees in early to mid stages of decline. It contains liquid fertilizer "N-P-K" with chelated iron, and 2 immediate plant uptake and triadimefon systemic fungicide for control of *Fusarium* spp. and other plant diseases (Powdery Mildew, Leaf Spot, and Tip Blight) which can attack weakened trees. Inject trees during treatment.

HOW TO INSTALL THE MICROINJECTION UNITS
 Use one 8 ml SYSTREX™ / NUTRIENT microinjection unit for each 3 inches of tree trunk circumference (equivalent to 1.3 ml of A.I. BAYLETON 009 per 1 inch of trunk circumference.) Place microinjection units evenly around the circumference of the trunk 12 to 18 inches from the base of the tree. Since this area of the tree consistently is more receptive to uptake of liquid treatment, microinjection units must be installed on both sides of the trunk in addition to the systemic side. SYSTREX™ / NUTRIENT contains a chelated

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CAUTIONARY STATEMENTS
HARMFUL TO HUMANS AND DOMESTIC ANIMALS
 Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if inhaled. Avoid breathing dust. Protective eyewear and rubber or neoprene gloves worn while handling or installing injectors to prevent contact with the eyes or skin. This product may cause allergic skin reactions. Wash thoroughly with soap and water after handling. Remove contaminated clothing immediately from household items before reuse.

ENVIRONMENTAL HAZARDS
 Do not apply to crops grown for food or forage. Do not apply to water or to areas where surface water is present. Avoid areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE
 Follow the label directions for use. Do not use this product in a manner inconsistent with its labeling. Use only as directed for tree treatment.

STORAGE AND DISPOSAL
 Do not freeze. Do not contaminate water, food or feed. Do not use in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Injection Unit, CONTAINER DISPOSAL:** Do not reuse injection units. Used microinjection units should be placed in a heavy-duty plastic bag which accompanies each case for disposal. The bag must be properly sealed, placed in the original shipping carton and returned freight prepaid to Tree Technology Systems, Inc., 1014 Rein Road, Cheektowaga, NY, 14225.

GENERAL INFORMATION
 Ornamental trees on golf courses, parks, and other recreational areas often decline in growth due to physical changes inflicted by *FUSARIUM* spp., Rusts, Powdery Mildew, Leaf and Tip Blight, and by nutrient deficiencies. This decline can be successfully treated and many trees can be saved by initiating a cultural/chemical program to revitalize the trees. **EX™ / NUTRIENT** has, in most cases, been used successfully to suppress tree decline symptoms when used according to these label instructions on trees which exhibit symptoms of decline, i.e., premature leaf or needle drop, foliar yellowing, and/or branch or twig dieback. The inherent difficulty of diagnosing the extent of biotic injury incurred and expressed by declining trees, the possibility of selecting trees for treatment is solely the buyer's responsibility. The buyer accepts liability and responsibility for the failure of treated trees to exhibit suppression of symptoms. Successful foliar response to microinjection treatments has been associated with treatment annually for at least two years.

EX™ / NUTRIENT can be used as a very important part of a program to revitalize these weakened trees. It is a dry-to-use fungicidal/fertilizer injection for the treatment of trees in early to mid stages of decline. It contains a fertilizer "N-P-K" with chelated iron, and zinc for plant uptake and triadimefon systemic fungicide for control of *FUSARIUM* spp. and other plant diseases (Rusts, Powdery Mildew, Leaf Spot, and Tip Blight) which commonly weaken trees. Itigate trees during treatment.

HOW TO INSTALL THE MICROINJECTION UNITS
 Place 8 ml SYSTREX™ / NUTRIENT microinjection units in 3 inches of tree trunk circumference, (equivalent to 1/2 inch of trunk circumference) around the circumference of the trunk 1/2 to 1 foot from the base of the tree. The tree is most receptive to liquid treatment. Microinjection units may also be used on cool trees. In addition to the systemic fungicide SYSTREX™ / NUTRIENT contains a chelated, water

soluble liquid fertilizer solution to assist the nutrient recovery. Application on pines should be made from mid-November to mid-March in Florida. In other areas, applications should be made when sap or resin flow would not impede the injection and uptake of SYSTREX™ / NUTRIENT.

OBSERVE THESE 7 STEPS WHEN INSTALLING AND REMOVING THE ARBORX INJECTION SYSTEM

1 Determine the number of microinjection units to be installed based on trunk/stem circumference at 6 to 12 inches above the soil surface. 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.

2 Using a portable electric drill (800-900 rpm range) with a sharp, clean 11/64 inch (0.4 cm) bit, the installer should drill a hole at each 3 inch marked 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 ARBORX microinjection unit. Disinfect the drill bit between trees with a 20% solution of household bleach. Rinse bit 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 should be 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 rear barrel 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 seated. By striking the microinjection unit, the frontal dispenser tip is forced back into the funnel-shaped section dislodging a septum which allows the solution to flow from the injector 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 movement of SYSTREX™ / NUTRIENT into the vascular system of the tree.

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 SYSTREX™ / NUTRIENT microinjection.

5 When properly installed, the microinjection unit generates internal pressure resulting in the flow of SYSTREX™ / NUTRIENT 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 SYSTREX™ / NUTRIENT may require up to several minutes 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 the microinjection unit, individuals must wear eye protection and chemical resistant gloves. The individual should then cover the microinjection unit with one hand near the point of the 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.

After the microinjection units are removed from treated trees they must be discarded into the heavy 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 for disposal to Tree Technology Systems, Inc., 1014 Rein Road, Cheektowaga, NY 14225.

SYSTREX/NUTRIENT CONTROLS DISEASES THAT ATTACK FOREST AND ORNAMENTAL TREES

Following is a partial list of common forest and ornamental trees and shrubs which may be attack by the diseases as listed below. The plant disease is referenced below by the number(s) appearing in parenthesis after the plant name.

Shade Trees	Flowering, Foliage and Woody Shrubs
Ash (2)	Amelanchier (1)
Aspen (1,2)	Crabapple
Birch (1,2)	(flowering)(1,2)
Buckeye (2)	Crape Myrtle (2)
Chestnut (2)	Dogwood (2)
Cottonwood (1,2)	Eucalyptus (2)
Elm (2)	Hawthorn (1,2)
Fir (1)	Hemlock (1e)
Locust (2)	Holly (2)
Maple (2)	Juniper (1)
Oak (2)	Lilac (2)
Pine (1,4)	Mock Orange (1,2)
Poplar (1,2)	Pear (flowering) (2)
Russian Olive(1,3a)	Rose (2)
Sycamore (2)	Viburnum (1,2)
Walnut (2)	
Willow (1,2)	

As the Directions For Use are closely followed, SYSTREX/NUTRIENT will control the following lists of diseases which may attack the above ornamental trees and shrubs.

- | | |
|-------------------------------|-----------------------------|
| (1) Rust | (2) Powder Mildew |
| a. Coleosporium spp. | Erysiphe spp. |
| b. Cronartium spp. (fusiform) | Microsphaera spp. |
| c. Gymnosporangium spp. | Oidium spp. |
| d. Melampsora spp. | Fodosphaera spp. |
| e. Melampsorioidium spp. | Phyllostictia spp. |
| f. Pendermium spp. (Gall) | Sphaerotheca spp. |
| g. Phragmidium andersonii | Uncinula spp. |
| h. Puccinia spp. | (3) Leaf Blight/Spot |
| i. Uromyces spp. | a. Cercospora spp. |
| j. Uredinopsis mirabilis | (4) Tip Blight |
| | Sirococcus strobilinus |

FERTILIZER GUARANTEED ANALYSIS	
Nitrogen (N)	0.35%
Phosphoric Acid (P ₂ O ₅)	0.70%
Potassium (K ₂ O)	0.35%
iron as Fe 1.00%	zinc as Zn 1.00%

Derived from urea, ammoniated and potassium phosphates, iron sulfate, zinc sulfate, and an EDTA chelating agent...

CONDITIONS OF SALE: The directions on this label were determined through research to be the directions for correct use of this product. This product has been tested for a range of weather conditions similar to those weather conditions that are ordinary and customary in the geographic areas where the product is used. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to other crops, animals, man, or the environment. Tree Technology Systems, Inc. offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions are beyond the control of Tree Technology Systems Inc. and are, therefore the responsibility of the buyer.

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FEB 23 1963

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 64014-3

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