

7946-11

2-23-90

4/14

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO. 7946-11	DATE OF ISSUANCE 2/23/90
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Mauget Inject-A-Cide P	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
<div style="text-align: center;"> <p>J.J. Mauget Co. 2810 North Figueroa Street Los Angeles, CA 90065</p> </div> <div style="text-align: right; margin-top: 20px;"> <p>171 18</p> <p>260,087 1</p> </div>		
<p>NOTE: Changes in labeling formula 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 U.S. EPA registration number.</p> <p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this 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.</p> <p>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA Registration No. 7946-11." 3. Delete the container disposal direction to "-- bury in a safe place away from water supplies". Refer to the attached Appendix B for the appropriate container disposal statement. 4. Add the following pesticide disposal statement as described in the EP-notice 82-3 dated March 29, 1983. <p style="margin-left: 40px;">"Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest Regional Office for guidance."</p> 		
<input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

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5. Refer to the storage and clean-up instructions on the label of the product you are repackaging and revise your labeling instructions accordingly.

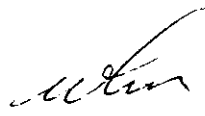
6. The following labeling corrections pertain to the pamphlet entitled "Directions for use and application of Mauget Injection Units," which was submitted with your letter of February 7, 1990.

The precautionary statements appearing on pages 5 and 6 of the pamphlet are not consistent with those appearing on your labeling for the subject product and must be revised accordingly.

7. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.



William H. Miller
Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

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RESTRICTED USE PESTICIDE

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION

Mauget

INJECT-A-CIDE® B

(CONTAINS TECHNICAL *BIDRIN)*

INTERNAL TREATMENT BY MICRO-INJECTION FOR SYSTEMIC SUPPRESSION OF CERTAIN INSECTS ON ORNAMENTAL TREES

(ORGANIC PHOSPHATE COMPOUND, LIQUID, N.O.S.)

ACTIVE INGREDIENT	BY WEIGHT
Dimethyl phosphate of O-hydroxy-N, N-dimethyl-O-synthonamide	82%
INERT INGREDIENTS	18%
	TOTAL 100%

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Fatal if swallowed or absorbed through skin. Do not breathe vapors. Do not contaminate food or feed products. Wear clean rubber gloves and face shield when applying. Wash after applying. If application is made in areas of limited ventilation, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly U.S. Bureau of Mines) and by NIOSH. Do not store in occupied office or car.

ENVIRONMENTAL HAZARDS

Keep out of lakes, streams and ponds. Do not contaminate water supplies by cleaning of equipment or disposal of waste. This product is toxic to wildlife. This product is highly toxic to bees.

PHYSICAL OR CHEMICAL HAZARDS.

KEEP OUT OF REACH OF CHILDREN

DANGER — POISON



ACCIDENTAL EXPOSURE TO PHYSICIANS
with COMMENTS
in EPA Letter Dated:

FEB 23 1990

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

This product contains cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine but should not be used alone.

EMERGENCY INFORMATION — call (713) 241-0227, (713) 225-1523 (during business hours), (800) 424-9300 (only if unable to get others).

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Drink glass of water and induce vomiting by touching finger to back of throat. Get immediate medical attention. Never give anything by mouth to an unconscious person.

In case of contact with eyes or skin: Flush immediately with plenty of water. Get medical attention. Remove contaminated clothing. Wash clothing before reuse.

See side panel for additional Precautionary Statements.

DIRECTIONS FOR USE

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

GENERAL DIRECTIONS

Apply injector units at 6 inch intervals of trunk circumference at base of tree. Consult the enclosed pamphlet "Directions for use and application of Mauget Injector Units" for specific details. Disinfect the insertion tool before treating subsequent trees.

MFG BY
TOWN, STATE
ESTABLISHMENT NO.
EPA REGISTRATION NO.
TOTAL NET CONTENTS

J.J. MAUGET CO.
LOS ANGELES, CA 90065
EPA EST. NO. 7946-CA-1

7946-11

	300 individual units
vol.	wt.
___ 1 ml	.04 oz.
___ 2 ml	.09 oz.
___ 3 ml	.13 oz.

Made in U.S.A.

* Bidrin is reg. in U.S. & Canada Pat. Offs. by U.S. Pat. 2,802,855; Canada Pat. 536,557

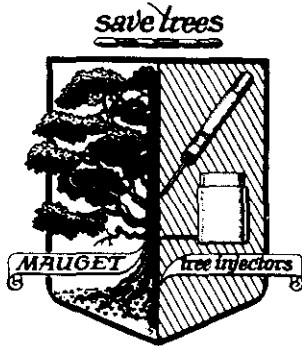
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RESTRICTIONS

- Do not inject trees that are less than two inches in diameter
- Do not inject trees within two weeks of any other spray or soil chemical treatment
- Do not treat trees that are suffering from stress such as lack of moisture or herbicide damage.
- This product is NOT to be used on trees which will produce food within the year following treatment. (i.e. maple syrup)

STORAGE AND DISPOSAL

Store in a cool place with units in an upright position. Dispose of empty containers in an approved landfill or bury in a safe place away from water supplies. In case of spillage wash down with large amounts of water. Decontaminate areas and equipment by washing with concentrated solution of alkali and detergent and rinse with water.



INJECT-A-CIDE "B" APPLICATIONS

CROP or USE	INSECT/PESTS	REMARKS
Ash	Aphids	Inject when aphid appear
	Leathopper	Inject when leathopper appear
Birch	Aphids	Inject when aphid appear
	Bronze birch borer	Inject anytime from Spring to Fall
	Gypsy moth	Inject when eggs hatch (Controls 2nd - 4th instar larvae)
Flowering crab-apple (Non crop)	Birch leafminer	Inject when insects appear
	Eastern tent caterpillar	Inject when infestation is evident
Dogwood	Dogwood twig borer	Inject when infestation is evident
Elms	Aphids	Inject when aphid or first generation larvae begin leaf feeding
	European elm scale	Inject when crawlers appear
Black gum	Elm leaf beetle	Inject when larvae begin leaf feeding
	Gypsy moth	Inject when eggs hatch (Controls 2nd - 4th instar larvae)
Hackberry	Nipple gall psyllid	Inject when psyllid eggs have hatched and leaves have expanded
	Hackberry psyllid	
Linden	Aphids	Inject when aphid appear
	Aphids	Inject when aphid appear
Locust	Leathopper	Inject when leathopper appear
	Aphids	Inject when aphid appear
Maples (Non Crop)	Gypsy moth	Inject when eggs hatch (Controls 2nd - 4th instar larvae)
	Aphids	Inject when aphid appear
	California oakworm	Inject at first appearance. Repeat application upon reappearance of late Summer broods
	California tent caterpillar	
Oaks	Goucy and oak gall wasps	Inject at 1/2 leaf on successive years
	Gypsy moth	Inject when eggs hatch (Controls 2nd - 4th instar larvae)
	Obscure scale	Inject when crawlers appear
	Pit-making scale	Inject when crawlers appear
	Sycamore borer (American plum borer)	Inject when infestation is evident
Pines	European pine sawfly	Inject when insect first appears
	Pine spittlebug	Inject when insect first appears
	Spider mites	Inject when mite first appears
Flowering stone fruit (Non crop)	Lesser peachtree borer	Inject when infestation is evident
Sycamore (Plane tree)	Sycamore borer (American plum borer)	Inject when infestation is evident
Willow	Aphids	Inject when aphid appear

Mauget

SEE FRONT LABEL FOR COMPLETE INFORMATION
 ANTIDOTE STATEMENT AND OTHER PRECAUTIONS
 J.J. MAUGET CO., LOS ANGELES, CA 90065

Made in U.S.A.

NOTICE OF WARRANTY

J.J. Mauget Co. makes no warranty merchantability, fitness for any purpose or otherwise, expressed or implied concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.

SEE SIDE LABEL FOR APPLICATION INFORMATION

NOTE: Training instructors and all governmental and private applicator organizations must be approved by the J.J. Mauget Co.

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NOTE: BEFORE APPLYING CAPSULES, READ THIS PAMPHLET AND THE APPROPRIATE BASIC PRODUCT LABEL.

WITH THE ENCLOSED PAGES 5 AND 6, THIS PAMPHLET COVERS THE FOLLOWING PRODUCTS:

INJECT-A-CIDE "B" EPA REG. 7946-RR
~~INJECT-A-CIDE (MSR) EPA REG. 7946-RR~~

Directions

for use and
application of

Mauget Micro-Injection System

ACCEPTED
WITH COMMENTS
in EPA Letter Dated:

FEB 23 1990

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

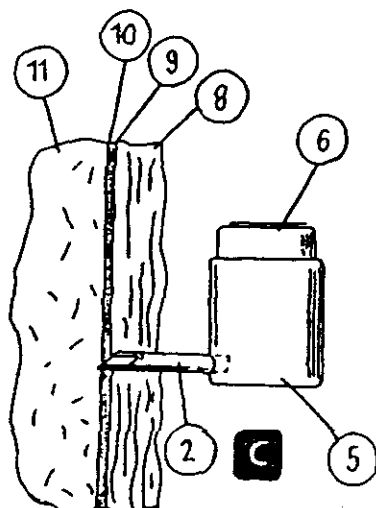
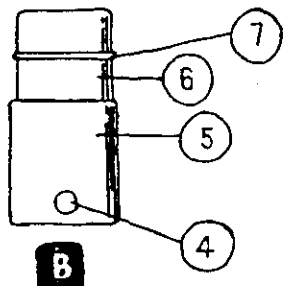
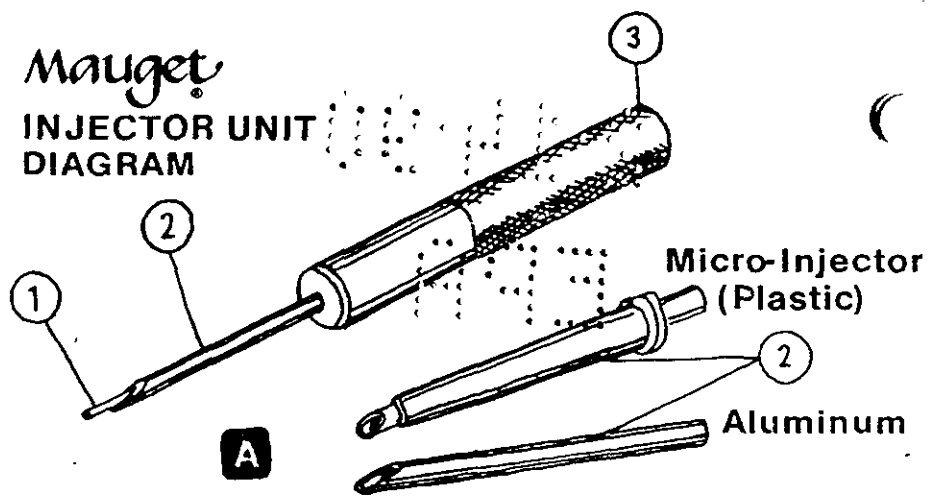
7946-11



J.J. MAUGET CO., INC.

2810 NO. FIGUEROA ST., LOS ANGELES, CA 90065

Mauget INJECTOR UNIT DIAGRAM



- Fig "A" INSERTION TOOL
- Fig "B" CAPSULE AS RECEIVED
- Fig "C" PRESSURIZED CAPSULE CONNECTED TO TREE
- #1 Penetrating Pin
- #2 Feeder Tube
- #3 Driving End of Tool
- #4 Connection Hole in Capsule
- #5 Lower Member of Capsule (double wall)
- #6 Upper Member of Capsule (single wall)
- #7 Final Locking Ring
- #8-9 Bark
- #9-10 Xylem Area (Sapwood)
- #10-11 Heart Wood Area

REAMER (not shown) is used to remove aluminum from the Inserting Tool. Place Reamer and Inserting Tool together with Penetrating Pin inside Reamer. Hold together and rotate to remove any aluminum from seat of Inserting Tool.

**Directions for Use of
MAUGET MICRO-INJECTION
COMPONENTS When
Using Insertion Tool**

Measure DBH (Diameter Breast High) in inches and divide by two or circumference in inches divided by 6 to determine the number of feeder tubes and capsules to use. Transfer placement to root collar (about 4 inches above ground level) on the stimulated root flares or high points. Although not as desirable, placement can be made breast high or higher if circumstances so dictate. If necessary to inject above root collar, placement should be 6 feet or more below major branching. Whenever forking occurs within a few feet above the soil, treat forking limbs as individual trees if you wish placement to be above root collar.

It is extremely important that the feeder tube be set to the proper depth into xylem #9-10. If set too deeply, flow is restricted by blockage in the heart wood; if set too shallow leaks may develop as the fluid may be forced back through the bark. The feeder tubes are bevel cut to allow for a 1/4 inch plus or minus error.

To Set Feeder Tube into Tree:

Refer to Diagram:

Place feeder tube #2 on penetrating pin # 1 of tool and seat with the diagonally cut end of the tube outward. (A)

Hold hammer at right angle to tree bark and strike tool head #3 with a hammer until hard wood #10 is encountered with the tip #1 of the tool penetrating pin. Continue to drive tool approximately 1/4 - 3/8 inch past this point. Tool must always be driven in a straight line. After initial entry, do not attempt to use tool to divert direction of tube, as a bent penetrating pin will result.

Remove tool by rotating a few turns to free from the feeder tube and pull straight out. It is important that tube is not disturbed during this extraction as the seal between tube and bark may be destroyed. Disinfect insertion tool before or between additional trees with 1 part household bleach in 12 parts water or spray with Lysol Aerosol. Do not use isopropyl rubbing alcohol.

Alternate Drilling Method of Setting Feeder Tubes:

With the advent of the cordless rechargeable drill, the insertion tool is often being supplanted by the use of drills with fast (1 hour) rechargeable power packs by either 12 volt or 110 volt systems. Using a 1 1/64" drill bit at 600 - 750 rpm, clear holes are drilled 1/4" to 3/8" into the xylem at the root collar (within 4" of ground level). The placement of the feeder tubes is the same as with the insertion tool. The feeder tubes may be inserted into the drilled holes by gently tapping with a plastic or rubber hammer. The use of an insertion tool at this point may insure that the feeder tube is not clogged with cuttings. Usually the act of applying the capsule will place the feeder tube to the desired depth.

To Apply Capsules:

Pressurize capsule "B" by forcing cap #6 downward to engage bottom locking ring #7. Capsule is then connected to preset feeder tube by means of hole #4. Turn capsule upside down and force or tap capsule on tube until the internal seal within the capsule is ruptured "C". Overall distance of capsule on tube should be approximately 3/8" as it is controlled by collar on plastic feeder tube.

Removing Capsule and Feeder Tube:

Allow capsule to remain in place "C" until completely empty. Capsule may be revolved on the feeder tube for visual inspection to determine when empty. Allow capsule to remain in a downward position at least 1 minute prior to removing. This will clear opening #4 of material. Pull feeder tube from trunk with a pair of pliers.

WARNING: KEEP OUT OF REACH OF CHILDREN.

Precautions:

Do not treat trees that are under stress such as lack of moisture, diseased or suffering from herbicide damage. Trees of less than two (2) inches in diameter should not be injected. Don't inject trees within a two week period of any other treatments to the soil or foliage. Stemix multinutrients may at certain times produce a slight leaf scorching and/or light defoliation. Where this occurs, trees usually recover with a flush of healthy green tissue as the growing period continues.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

KEEP OUT OF THE REACH OF CHILDREN

WARNING

May be fatal if swallowed, inhaled, or absorbed through the skin. Prohibit or frequently repeated skin contact causes allergic reaction in some individuals. Do not get in eyes or on skin. Wear clean, waterproof protective clothing (aprons, overalls, rubber boots, cap, etc.). Destroy and replace gloves frequently. Bathe immediately after work and change all clothing. Wash contaminated clothing with soap and hot water before reuse.

STATEMENTS OF PRACTICAL TREATMENT

Call a physician in all cases of suspected poisoning

IF SWALLOWED, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1oz or 15ml) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately.

IF ON SKIN, remove contaminated clothing and wash skin with soap and warm water.

IF EYES ARE CONTAMINATED, wash with flowing water for at least 15 minutes. Get medical attention if irritation persists.

IF INHALED, remove to fresh air. Give artificial respiration and get medical attention if necessary.

IN CASE OF EMERGENCY.....Network.
1(800) 858-7378 is the telephone number of the National Pesticide Telecommunications Network.

STORAGE: Store in a cool, dry place away from heat and open flame. Store in original container and out of the reach of children, preferably in a locked storage area. Always keep capsules in an upright position. If capsules are leaking, triple rinse with water dispose of rinsate in approved manner. In spill or leak incidents, keep unauthorized people away.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CAPSULE DISPOSAL: Immediately upon removing from tree, place capsules in a 5 mil plastic bag of the type which is part of the packaging of Inject-A-Cide "B" under DOT-E-8386. Then enclose in the original shipping carton to be transported to a facility for disposal in a manner authorized by State and Local Authorities.

PROTECTIVE CLOTHING, EQUIPMENT AND WORK SAFETY STATEMENTS

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP WORK and get help right away, See First Aid (Practical Treatment) section.

WEAR THE FOLLOWING PROTECTIVE CLOTHING DURING HANDLING, APPLICATION, AND REMOVAL OF CAPSULES.

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands and feet. Wear chemical resistant gloves, chemical resistant apron, and chemical resistant shoes, shoe coverings or boots.

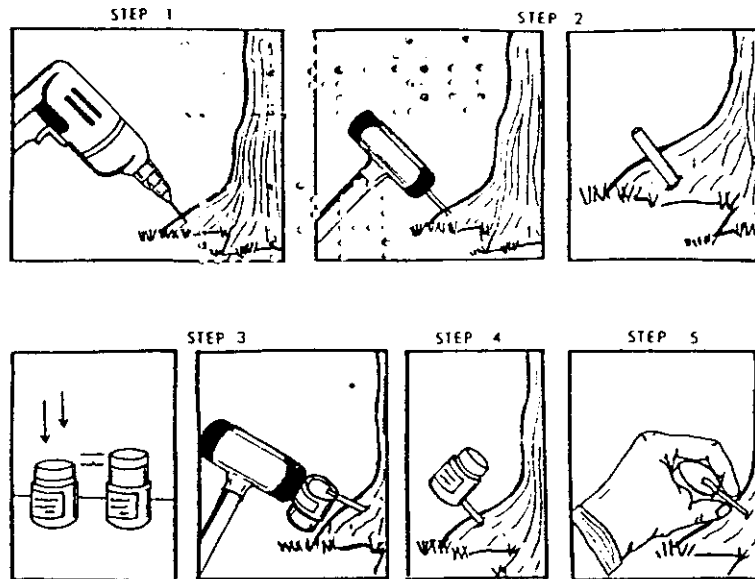
For use in confined space, wear goggles or a face shield and a pesticide respirator approved by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating, drinking or toileting.

AFTER WORK, take off all clothing and shoes. Shower using soap and water. Wear only clean clothes. Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Respirators must be cleaned and filters replaced according to instructions included with the respirators. Personal and protective clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with ~~oxy-~~ demetonmethyl must be destroyed according to State and Local regulations. HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

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Micro-Injection Procedure With A 600-800 RPM Cordless Drill



Measure DBH (Diameter Breast High) in inches and divide by two to determine the number of capsules to use. Transfer placement to root collar (about 4 inches above ground level) on the stimulated root flares or high points. (See back of Page)

Step 1 Drill with 1/64 inch drill bit 3/8 inch into xylem tissue.

Step 2 Insert *aluminum* feeder tube into drilled hole with beveled end at 45° angle from horizontal. Tap tube lightly with a rubber or plastic mallet to seat it firmly in hole.

* See instructions for Plastic Micro-Injector.

Step 3 Place capsule on firm flat surface and compress by pressing with bottom of foot, heel of hand or under some conditions with a plastic or rubber mallet. Turn capsules upside down and align starter hole in capsule with tube. Tap on capsule until inner diaphragm seal is broken.

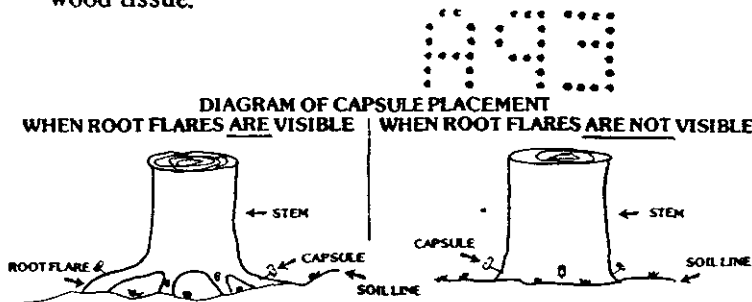
Step 4 Turn the capsule right side up to allow the liquid contents to flow through the tube into the xylem and phloem tissue in the tree.

Step 5 Allow time for the tree to absorb all the liquid, then turn the capsule upside down for at least a minute before removal. Dispose of capsules in a manner approved by State and Local authorities.

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Placement of Capsules

1. Always place capsule on root-buttrass at *soil line*.
2. Always place capsule in sound wood.
3. When *insertion tool* is used, set feeder tube $\frac{3}{8}$ " - $\frac{1}{2}$ " into active conducting wood tissue.
4. When *drill* is used, place feeder tube $\frac{3}{8}$ " into active conducting wood tissue.



Inject Only In Sound Wood

STEMIX (contains nutrient and mineral solutions as labeled) Older deciduous trees respond to corrective injections more rapidly during bud swelling or shortly afterwards. Time evergreen applications with the period just preceding a flush growth. Autumn injections are excellent for results the following year. A STEMIX treated tree will generally appear healthier than a closely untreated tree for one to five years or more.

STEMIX promotes leaf development and stimulates feeder root growth encouraging better utilization of commercial fertilizers.

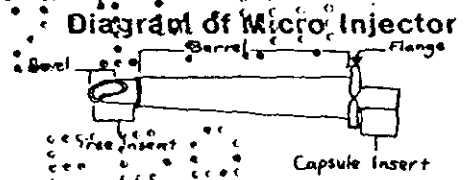
STEMIX also works for trees which need a nutritional boost because of - poor soil conditions - paving or blacktop over root system - loss of part of root system due to construction - continued insect attack - effects of air pollution.

STEMIX provides effective results in tree jobs involving treatment with insecticides and fungicides - corrective surgery and pruning - flood damage - tree transplanting - freeze damage - trees exposed to fire.

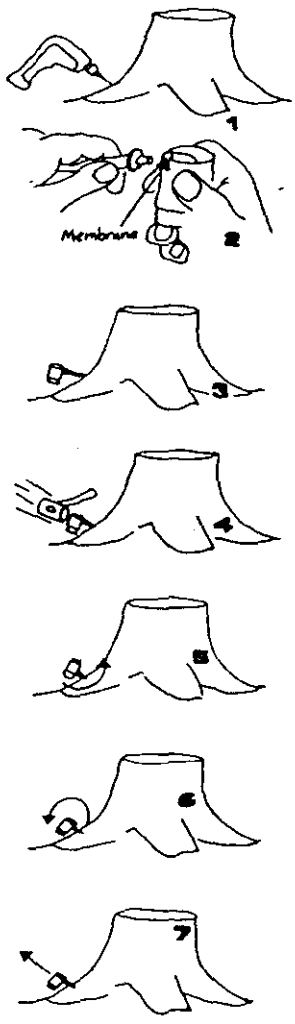
CAUTION: Trees which have Phytophthora (Water mold) disease (Black root rot) will be stimulated by a STEMIX injection causing it to die sooner than it normally would. Do not use Stemix for at least six months after you use Inject-A-Mycin "S". Remove all capsules within one week.

* Instructions for the Use of the Plastic Mauget Micro-Injector

The improved Mauget Micro-Injector requires subtle differences in techniques than its predecessor the metal feeder tube. The steps below will guide you in the correct use of the Mauget Micro-Injector.



1. Predrill the injection site at a slight downward angle at the root flare using an 11/64" diameter clean, sharp bit to a depth of 3/8" into the vigorous wood (xylem) tissue. On thick bark trees, a 3/16" drill bit may be desirable.
2. Place, by hand, the capsule insert with flange notch upward into a compressed inverted capsule. Push the capsule insert flush with the internal capsule membrane.
3. Then, by hand firmly seat the tree insert portion of the Micro-Injector with the attached inverted capsule into the pre-drilled injection site.
4. Next, with one hand tap the top corner of the capsule directly behind the Micro-Injector with a plastic mallet while steadying the capsule with the other hand. This action will simultaneously seat the Micro-Injector into the tree while releasing the compound from the capsule into the tree.
5. Now turn the capsule upright to allow the contents to enter the tree through the injection site.
6. When the contents have emptied from the capsule, turn it upside down to allow any material to drain away from the capsule opening. Remove all capsules within 7 days.
7. Next grasp the Micro-Injector at the flange and draw it straight back in one motion out of the injection site. In one step you have removed the Micro-Injector and capsule. When using pesticides follow all safety procedures outlined in the label and directions.
8. Dispose of the used capsules and Micro-Injectors in compliance with the laws of the State in which they are being used.
9. Practice only with fertilizers.



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