


PM 10

7946-19

165-1493391  
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|  |  |  |                                       |                                     |
|--|--|--|---------------------------------------|-------------------------------------|
| <br><b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b><br>Office of Pesticide Programs<br>Registration Division (H7505C)<br>461 "M" St., S.W.<br>Washington, D.C. 20460  | <b>NOTICE OF PESTICIDE:</b><br><u>  x  </u> Registration<br><u>      </u> Reregistration |  | EPA Reg. Number:<br><br>7946-19       | Date of Issuance:<br><br>10 28 1979 |
|  | (under FIFRA, as amended)  |  | Term of Issuance:<br>Unconditional    |                                     |
|  |  |  | Name of Pesticide Product:<br>ABACIDE |                                     |
| Name and Address of Registrant (include ZIP Code):<br>J. J. Mauget Co.<br>2810 N. Figueroa St.<br>Los Angeles, CA 90065  |  |  |                                       |                                     |
| <b>Note:</b> 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.<br><br>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 unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:  |  |  |                                       |                                     |
| 1. Make the following label changes:<br><br>a. Revise the EPA Registration Number to read, "EPA Reg. No. 7946-19".<br><br>b. Submit the labeling for the individual unit.<br><br>c. In the pamphlet the pictures should reflect a gloved hand.   |  |  |                                       |                                     |
| Signature of Approving Official:   |  |  | Date:                                 |                                     |

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EPA Reg. No.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

2. Regarding Product Chemistry comments:

- a. Revise the Confidential Statement of Formula (CSF) to include specific information (percent by weight, upper and lower limits) on the active ingredient, abamectin.
- b. On the CSF correct the CAS No. for Triethyl phosphate. The correct CAS No. is 78-40-0.
- c. You did not submit any data/information on viscosity (Guideline 63-18).

3. Submit two copies of the revised final printed label for the record.

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.

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

CONCURRENCES

| SYMBOL  |  |  |  |  |  |  |  |  |
|---------|--|--|--|--|--|--|--|--|
| SURNAME |  |  |  |  |  |  |  |  |
| DATE    |  |  |  |  |  |  |  |  |

1  
(FRONT PANEL)

Mauget®

ABACIDE®

INTERNAL SYSTEMIC TREATMENT BY MICROINJECTION FOR CONTROL OF  
INSECTS/MITES ON ORNAMENTAL TREES.

RECOMMENDED ONLY FOR USE BY PROFESSIONAL ARBORISTS  
(APPLICATORS)

**ACTIVE INGREDIENT:**

Abamectin B<sub>1</sub> [A mixture of avermectins containing > 80% avermectin B<sub>1a</sub> (5-0-demethyl avermectin A<sub>1a</sub>) and < 20% avermectin B<sub>1b</sub> (5-0-demethyl-25-de(1-methylpropyl)-25-(1-methylethyl) avermectin A<sub>1a</sub>)] . . . . . 1.0%

INERT INGREDIENTS: . . . . . 99.0%  
100.0%

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

**STATEMENT OF PRACTICAL TREATMENT**

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

IF SWALLOWED: Immediately give one or two glasses of water and induce vomiting by gently touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Flush with plenty of water.

Get medical attention in all cases.

**Recommendations for Medical Treatment for Abamectin B<sub>1</sub> Acute Toxicity:**

Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness), and muscle tremors.

Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting within one half hour of exposure.

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin B<sub>1</sub> is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that influence GABA activity (barbiturates, benzodiazapines, valproic acid) in patients with potentially toxic abamectin B<sub>1</sub> exposure.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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

ACCEPTED  
with COMMENTS  
in EPA Label Panel

DATE: 2-3-1996

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this product is registered under FIFRA.

U. MAUGET CO.  
LOS ANGELES, CALIF. 90008

2946 (1A) 1  
2946 (10) RE-ASSEMBLED  
300 units 2 ml. or 10.0 oz. by volume

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Prolonged or frequently repeated exposure may cause allergic skin reactions in some individuals. Harmful if absorbed through skin.

#### **PERSONAL PROTECTIVE EQUIPMENT:**

Wear chemical resistant gloves and protective eyewear when handling and applying the product.

### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater or rinsate. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops. Use for tree microinjection only as a post-bloom application.

### **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.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior landscapes, ornamental gardens or parks, or on golf courses or lawns or grounds.

### **GENERAL DIRECTIONS**

Protective eyewear and chemical resistant gloves must be worn while handling or installing the capsule to prevent accidental contact with the eyes or skin.

**ABACIDE** insecticide is for use by Commercial Arborists (applicators) on ornamental trees for control of Spider Mites, Leafminers, Elm Leaf Beetle, Sycamore Lace Bug and Fall Webworm. It can be applied in commercial and residential landscapes, interior and exterior landscapes and other areas where ornamental trees and woody shrubs are grown.

Apply injector units at 6 inch intervals of trunk circumference at base of tree. Consult the enclosed pamphlet "Directions for use and application of Marget Injector Units" for specific details.

Applicators shall remove capsules promptly after treatment. Since phytotoxicity has been noted in some trees, users should inspect holes and discontinue use if phytotoxicity is observed.

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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.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal of microinjection capsules.  
Do not reuse microinjection capsules.

**STORAGE:** Store in a cool, dry place out of the reach of children. Store capsules in an upright position in closed carton. Keep out of direct sunlight when possible.

**DISPOSAL:** Dispose of empty capsules in a sanitary landfill or by incineration if approved by State and local authorities.

### NOTICE OF WARRANTY

J.J. MAUGET CO. MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE OR OTHERWISE, EXPRESS 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.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

4-1000

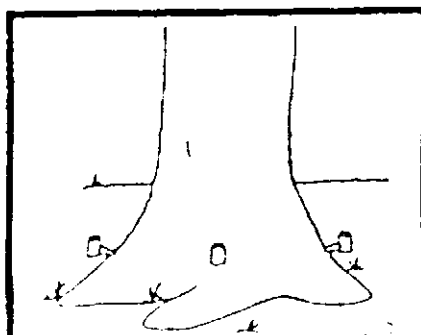
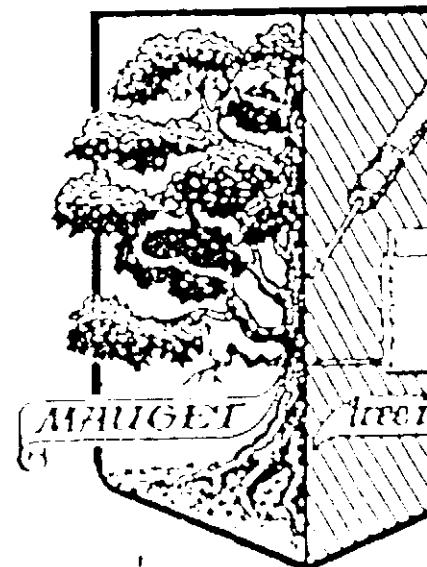
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pest of  
registered under EPA 225-1000

DIRECTION

Mauge

Micro-Injection

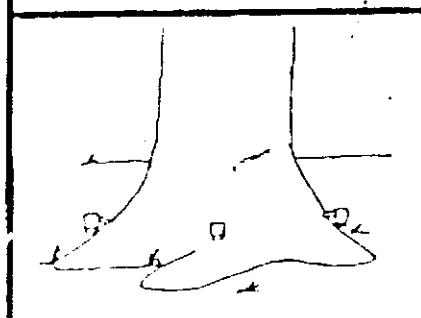
save trees



9.

#### CAPSULE POSITION

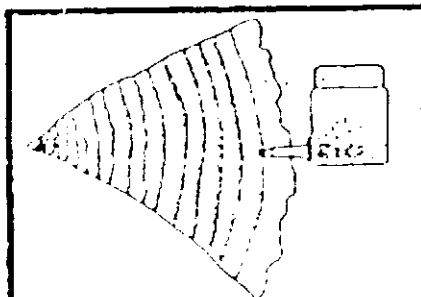
Turn the capsule right side up to allow the material to flow through the tube into the xylem and phloem tissue in the tree.



10.

#### REMOVAL & DISPOSAL

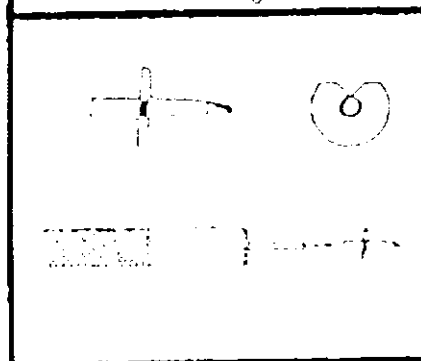
Allow time for the tree to absorb all the liquid material. Turn the capsule upside down for a minute before removal. Refer to the appropriate product labeling for additional removal and disposal instructions.



11.

#### MICRO MINI-FEEDER TUBE

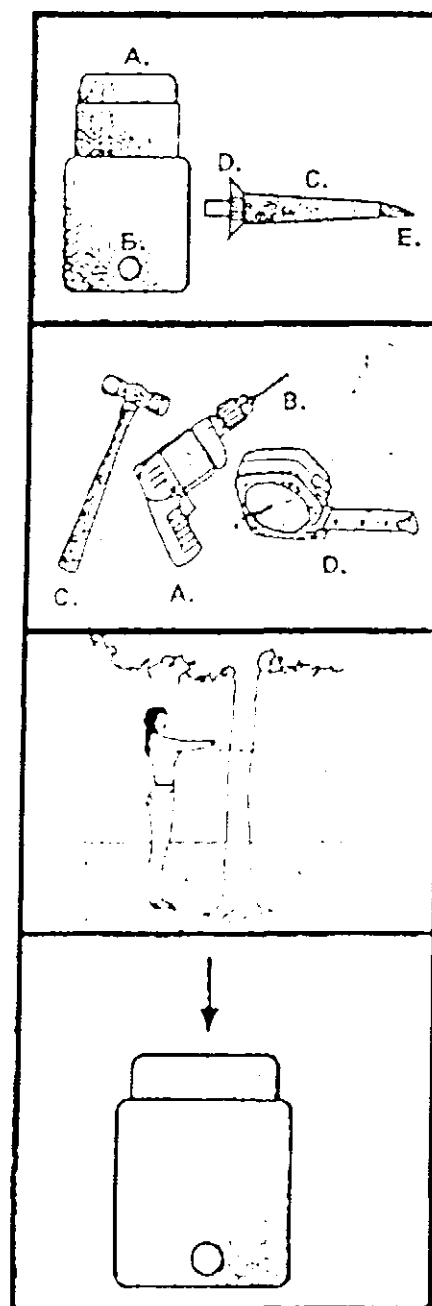
For established trees with thin bark (less than 3/8" thickness). Using a 7/64" drill bit, producing the smallest Micro-injection wound in the industry.



12.

#### MICRO MINI-INSERTION TOOL

Because the 7/64" wound is small, it is recommended that the micro mini-insertion tool (MMA) be used to prevent plugging of the feeder tube & insure a clear pathway to the cambium tissue. Be sure to place the tube with the end in



### 1. WHAT'S THE SYSTEM?

- A)...The Mangel two piece CAPSULE.
- B)...Insert hole.
- C)...Feeder tube.
- D)...Flanged gun-site end.
- E)...Tapered beveled end.

### 2. WHAT TOOLS ARE NEEDED?

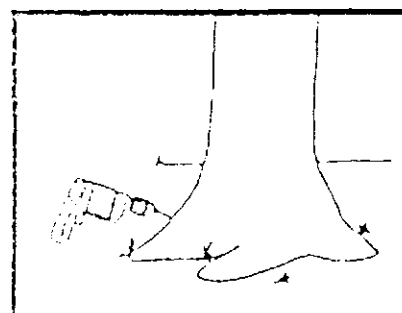
- A)... Electric Drill.
- B)... 11/64" Drill bit.
- C)... Plastic Mallet (Hammer)
- D)... Tape Measure

### 3. HOW MANY CAPSULES?

Measure the circumference of the tree at chest height in inches. Divide that number by 6 and determine the number of capsules needed (Ex. 18 inch diameter tree,  $18 / 6 = 3$  capsules).

### 4. PRESSURIZING CAPSULE

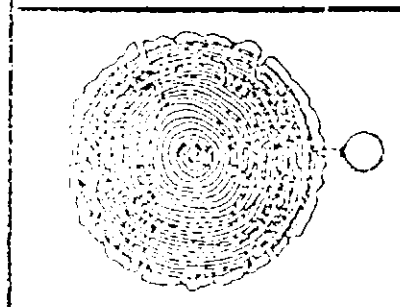
Place capsule on firm flat surface and compress by pressing the bottom of feet together while under some weight (e.g., a brick, plastic or rubber mat).



### 5. HOW DO I DRILL?

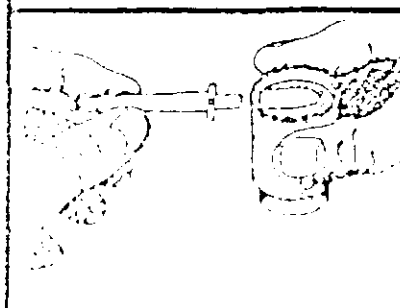
Pre-Drill the injection site at a downward angle at the root (approximately 6" above ground level) using a clean 11/64" drill. Drill to a depth of 3/8" (into healthy xylem tissue).

For the micro-mini feeder tube see #'s 11 & 12.



### 6. HOW DEEP?

It is important that the feeder be set to the proper depth into xylem. If set too deeply, flow is restricted by blockage in the wood; if set too shallow, leaks occur. The feeder tubes are angled cut to allow for 1/4" +/-.



### 7. COMBINING CAPSULE & TUBE

Place by hand, the feeder tube flange end with flange notch towards into a compressed capsule. Push the end of the feeder tube into the capsule.



### 8. PLACING UNIT IN TREE

Firmly seat the beveled end of the tube with the attached inverted capsule into the predrilled injection hole. Tap the top corner of the capsule directly behind the feeder tube with a plastic mallet while supporting the capsule with the other hand. The blow is simultaneously seat the feeder tube into the tree while the capsule seal and releasing the fluid into the tree.

**BEST AVAILABLE COPY**