

7946-14

1/11/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



JAN 11 2002

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Samantha Bates, Agent for  
J.J. Mauget Company  
Lewis & Harrison  
122 C Street N.W., Suite 740  
Washington, DC 20001

Subject: Revised label  
Fungisol®  
EPA Registration No. 7946-14  
Your Application Dated November 29, 2001

Dear Ms. Bates:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with comment.

Place the word "Pesticide" before the word Storage in the Storage and Disposal Section.

A stamped copy is enclosed for your records.

If you have any questions concerning this letter, please contact me at (703) 308-6422 or Renae Whitaker at (703) 308-7003.

Sincerely yours,

Adam Heyward  
Product Manager (34)  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

Enclosure

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

**Mauget®**  
**FUNGISOL®**  
 SYSTEMIC FUNGICIDE  
 IN READY TO USE CAPSULES  
 FOR TREE INJECTION USE FOR SEASONAL SUPPRESSION  
 OF CERTAIN DISEASES OF ORNAMENTAL TREES

**ACTIVE INGREDIENT:**  
 Debacarb  
 [2-(2-ethoxyethoxy) ethyl-2-benzimidazole carbamate]..... 1.7%  
 Carbendazim  
 Methyl 2-benzimidazole carbamate..... 0.3%  
  
**INERT INGREDIENTS:**.....98.0%  
 100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

FIRST AID	
<b>IF INHALED</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>IF ON THE SKIN OR CLOTHING</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>IF IN EYES</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>IF SWALLOWED</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-535-5053 for emergency treatment information.	
<b>NOTE TO PHYSICIAN</b>	
There is no specific antidote available. Treat Patient symptomatically.	

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

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Causes eye irritation Wash thoroughly with soap and water after handling. Avoid breathing vapors. Remove contaminated clothing and wash before reuse.

**PERSONAL PROTECTIVE EQUIPMENT:**  
 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.

**APPLICATOR AND OTHER HANDLERS MUST WEAR:**

- Long-sleeved shirt and long pants.
- Shoes plus socks
- Chemical resistant gloves, such as polyethylene or butyl rubber or neoprene rubber or viton
- Protective eyewear

**ENVIRONMENTAL HAZARDS:**

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 washwaters.

**PHYSICAL OR CHEMICAL HAZARDS:**

Do not use or store near heat or open flame.

MFG. BY: J.J. MAUGET CO.  
 TOWN, STATE: ARCADIA, CA 91006  
 EPA ESTABLISHMENT NO.: 7946-CA-1  
 EPA REGISTRATION NO.: 7946-14

Net Contents: 25 capsules plus 25 feeder tubes per carton  
 \_\_\_\_\_ 25 capsules @ 4 mL, 100mL net or  
 \_\_\_\_\_ 25 capsules @ 6 mL, 150 mL net  
 \_\_\_\_\_ Shipping box: 12 cartons as above.

Rev. 11/26/01D

REGISTERED  
 TRADE NAME  
 FUNGICIDE

JAN 11 2002

Under the Pesticide Information Act  
 the pesticide label must be printed in  
 English for the pesticide  
 registered under EPA Reg No. 7946-14

## GENERAL DIRECTIONS

Measure the tree at chest height in inches. If measuring the circumference of the tree, divide this number by six (6) to determine the number of capsules needed. If measuring the diameter of the tree, divide this number by two (2) to determine the number of capsules needed. It is preferred to apply the injector units around the tree at the root flare.

Apply the following dosage depending on tree diameter;

4 ml - 2 to 10 inches dbh

6 ml - 10 inches and above

Consult the enclosed pamphlet "Directions for use and application of Mauget "Micro-Injection System" for additional instructions. Applicators shall remove capsules promptly after treatment.

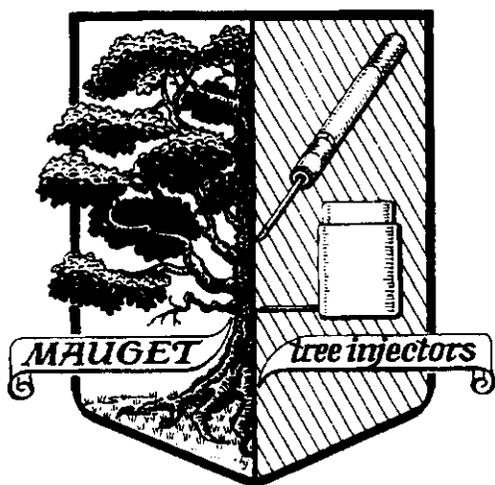
**Important:** Preventative application is more effective than therapeutic treatment in trees showing disease symptoms. Trees in advanced stages of disease development may not respond to treatment. Infected trees will absorb the material more slowly due to the vascular plugging caused by the disease. If Fungisol is not absorbed within 24 hours, the tree is considered high risk and has a poor chance of survival.

## RESTRICTIONS

Do not inject trees that are less than two inches in diameter.

This product is not to be used on trees which will produce food within the year following treatment.

*save trees*



## NOTICE OF WARRANTY

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

*Mauget*®

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## FUNGISOL®

Make application when disease first appears. Repeat treatment if disease symptoms progress. Do not repeat within 3 months of first application. Some diseases may require repeated yearly application. Preventative Dutch Elm Disease treatments are made 4 weeks after Bark Beetle emerges. Therapeutic treatments are made as soon as possible after flagging branch is observed.

USE	DISEASE
Alder	Ceratocystis Canker, Fusarium Wilt, Physalospora (Bleeding Canker)
Arborvitae	Kabatina Branch Canker
Ash	Anthrachnose (Fall application only)
Bay Tree	Fusarium Wilt, Nectria Canker
Birch	Melanconium Dieback
Buckthorn	Nectria (Tubercularie) Canker
Camphor	Verticillium Wilt
Carob	Verticillium Wilt
Catalpa	Verticillium Wilt
Cedar	Coryneum Blight, Diplodia Tip Blight, Phomopsis (Kabatina)
Cypress	Cedar Branch Canker
Douglas Fir	Phomopsis Canker
Elm	Cephalosporium Ulmi (Elm Wilt), Ceratocystis Ulmi (Dutch Elm Disease), Cytospora Canker, Fusarium Wilt, Vermicularia Dieback, Verticillium Wilt
Fir	Cytospora Canker
Gum (Sweet)	Ceratocystis Canker
Madrone	Thielaviopsis Decline, Fusarium Wilt
Magnolia	Ceratocystis Canker
Maple	Verticillium Wilt
Mimosa	Fusarium Perniciosum (Mimosa Wilt)
Mulberry (Fruitless)	Ceratocystis Canker
Oak	Oak Wilt (Ceratocystis fagacearum), Anthracnose (Spring application only), Nectria Canker, Oak Decline (Botryodiplodia), Cephalosporium, Dothiorella, Fusarium, Pestalotia, Phialophora, Verticillium, Verticillium)
Olive	Fusarium Wilt, Verticillium Wilt
Palm	Penicillium Vermoeseni (Pink Bud Rot), Atropellis Canker, Ceratocystis Dieback
Pine	Fusarium moniliforme F. Subglutinans (Pine Pitch Canker), Leptographium Canker
Pistachio(Non-Crop)	Verticillium Wilt
Poplar	Cytospora Canker
Redwood	Botryosphaeria Branch Canker (Coast and Sierra), Coryneum Canker
Spruce	Cytospora Canker
Sycamore	Anthrachnose (Spring application only), Ceratocystis Canker
Walnut (Black Non-Crop)	Melanconium Dieback
Willow	Cytospora Canker

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in a cool place over 45° F with units in an upright position.

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

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

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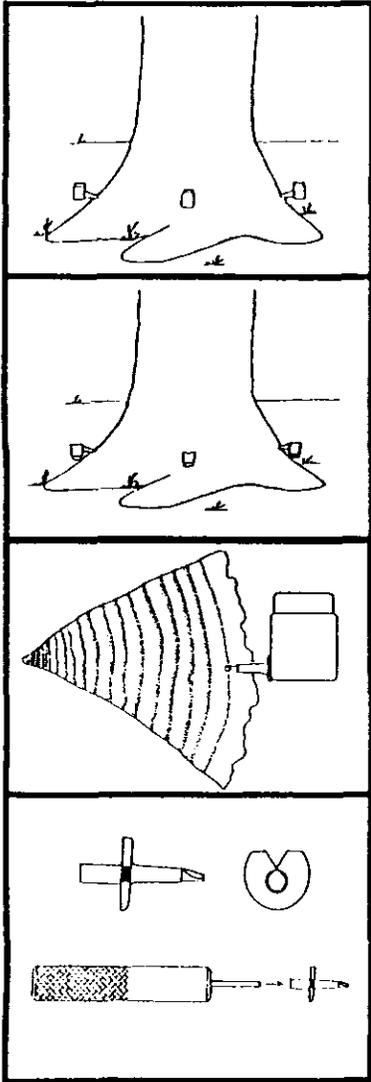
## **DIRECTIONS FOR USE**

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, either directly or through drift. Only protected handlers may be in the area during application. For any requirement 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, forest, nurseries and greenhouses, and the 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.



**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. Applicators shall remove capsules promptly after treatment. Follow instructions on product label for capsule disposal.

**11. MICRO MINI-FEEDER TUBE**

For established trees with thin bark (less than 3/8" thickness). Use a 7/64" drill bit to produce a micro-injection site.

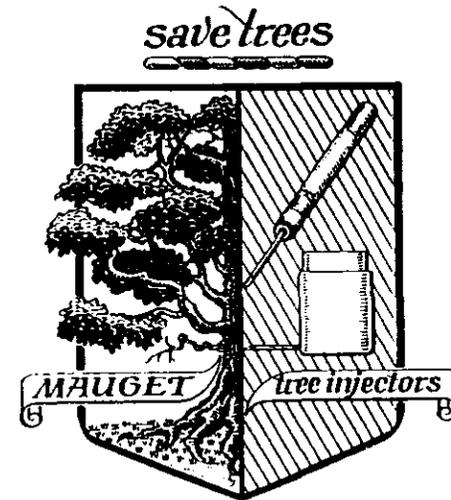
**12. MICRO MINI-INSERTION TOOL**

Because the 7/64" micro-injection site is so small, it is recommended that the Micro-mini insertion tool (316-NAM) 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 notch up.

**DIRECTIONS**  
for use and application of

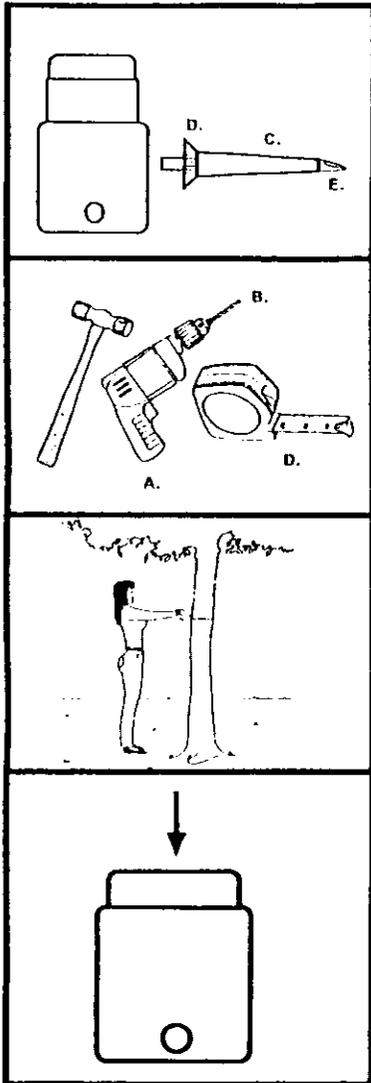
**Mauget**<sup>®</sup>

**Micro-Injection system**



REFER TO PRODUCT LABEL FOR ADDITIONAL  
PRECAUTIONS AND LIMITATIONS ON THE  
USE OF THIS PRODUCT

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**1. WHAT'S THE SYSTEM?**

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

**2. WHAT TOOLS ARE NEEDED?**

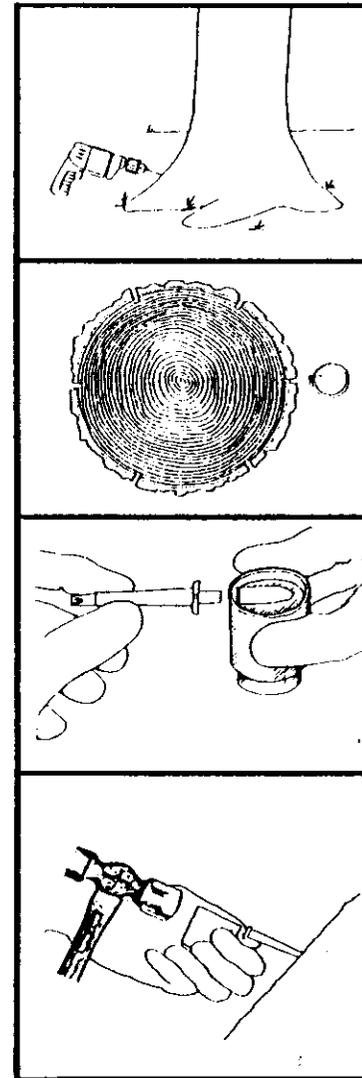
- A)... Electric Drill.
- B)... 11/64" Drill bit.
- C)... Plastic Mallet (Hammer).
- D)... Tape Measure
- E)... Consult product label for specific Personal Protective Equipment (PPE) required.

**3. HOW MANY CAPSULES?**

Measure the tree at chest height. If measuring the circumference, divide this number by 6 (six) to determine the number of capsules needed. If measuring the diameter, divide this number by two (2) to determine the number of capsules needed.

**4. PRESSURIZING CAPSULE**

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.



**5. HOW DO I DRILL?**

Pre-Drill the injection site at a slight downward angle at the root flair (approximately 6" above ground level) using a clean 11/64" drill bit. Drill to a depth of 3/8" (into the healthy xylem tissue). For the Micro-mini feeder tube, see #'s 11 & 12. Disinfect drill bit and Micro-mini insertion tool prior to use on each tree.

**6. HOW DEEP?**

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

**7. COMBINING CAPSULE & TUBE**

Place by hand, the feeder tube's flange end with flange notch upwards into a compressed inverted capsule. Push the end of the tube flush with the internal capsule seal.

**8. PLACING UNIT IN TREE**

Firmly seat the beveled end of feeder tube with the attached inverted capsule into the pre-drilled 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. This action will simultaneously seat the feeder tube into the tree while breaking the capsule seal and releasing the material into the tree.

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