



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Frederick T. Smith  
SciReg, Inc., agent for  
J.J. Mauget Co.  
12733 Director's Loop  
Woodbridge, VA 22192

NOV - 4 2005

Subject: Fungisol  
EPA Reg. No. 7946-14  
Your submission dated: August 10, 2005

Dear Mr. Smith:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

- Revise the Storage and Disposal section. Place the word "Pesticide" before the word "Storage" in the Storage and Disposal section. See the following example:

<p style="text-align: center;"><b>STORAGE AND DISPOSAL</b> Do not contaminate water, food or feed by storage or disposal. <b><u>PESTICIDE STORAGE:</u></b> Store in a cool place...</p>
---

One copy of the label stamped "Accepted with Comments" is enclosed for your records. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

If you have any questions, please contact Lana Coppolino by phone at 703-305-0086 or via email at [coppolino.lana@epa.gov](mailto:coppolino.lana@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7505C)

Enclosure

# Mauget® FUNGISOL®

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

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

**ACTIVE INGREDIENTS:**

Debacarb  
[2-(2-ethoxyethoxy) ethyl-2-benzimidazole carbamate]..... 1.7%  
Carbendazim  
Methyl 2-benzimidazole carbamate..... 0.3%

**OTHER INGREDIENTS:**..... 98.0%  
100.0%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

FIRST AID	
IF INHALED	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<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 1-800-535-6053 for emergency treatment information.	
<b>NOTE TO PHYSICIAN</b>	
There is no specific antidote available. Treat patient symptomatically.	

**Net Contents:**

- 288 capsules @ 0.14 fl.oz. (4 mL) each 39 fl.oz. (1153 mL) net; 288 feeder tubes
- 288 capsules @ 0.2 fl.oz. (6 mL) each, 58.4 fl.oz. (1728 mL) net; 288 feeder tubes
- 24 capsules plus 24 feeder tubes per carton
- 24 capsules @ 0.14 fl.oz. (4 mL) , 3.25 fl.oz. (96 mL) net or
- 24 capsules @ 0.2 fl.oz. (6 mL), 4.9 fl.oz (144 mL) net
- Shipping box: 12 cartons as above.

### 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. Avoid breathing vapors. Wash thoroughly with soap and water after handling. 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.

**APPLICATORS 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

### 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 or rinsate.

### PHYSICAL OR CHEMICAL HAZARDS:

Do not use or store near heat or open flame.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

NOV - 4 2005

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
the Administrator of the Environmental Protection Agency  
has approved the labeling for this pesticide.  
EPA REGISTRATION NO. 7946-14

7946-14

### 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.

3/4

## 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.

#### 1. The MAUGET SYSTEM

- (A) Mauget compressible capsule with insert hole.
- (B) Feeder tube with flanged gun-sight and opposite tapered beveled end

#### 2. TOOLS

- (A) Portable electric drill
- (B) 11/64 in. (0.4 cm) drill bit
- (C) Plastic mallet
- (D) Tape measure
- (E) Insertion tool (optional)

#### NUMBER OF CAPSULES

Measure the tree at chest height in inches. If measuring the circumference, divide this number by six (6) to determine the number of capsules needed. If measuring the diameter, divide this number by 2 (two) to determine the number of capsules needed. If the number of capsules results in a fraction, round down to the lower whole number.

The following dosage, per capsule, is generally recommended. Depending on tree diameter, use the following dosage, per capsule:

4 mL - 2 to 10 inches dbh (Diameter at Breast Height)

6 mL - 10 inches dbh and above (Diameter at Breast Height)

Trees in advanced stages of disease development, may not respond to treatment. The health, species of the tree and the environmental conditions will determine the rate of uptake.

#### 4. PRESSURIZING THE CAPSULES

Apply the appropriate amount of pressure on the top of the capsule in order to compress.

#### 5. DRILLING THE TREE HOLE

Predrill spaced injection sites at a slight downward angle at the root flair/buttress area (approximately 6.0 to 8.0 in., 15 to 20 cm) above ground level, using a clean 11/64 in. (0.4 cm) drill bit (except monocotyledons, conifers, etc.). Drill to a depth of 3/8 to 1/2 in. (0.95 to 1.3 cm) into healthy xylem tissue under the bark. For mini-micro feeder tube, see Step 10. Disinfect drill bit, insertion tool (if used) as well as mini-micro insertion tool prior to use on each tree.

#### 6. TREE HOLE DEPTH

It is important that the feeder tube be set to the proper depth in the conductive xylem tissue. If set too deeply, flow is restricted by blockage in heartwood; if set too shallow, leakage may occur. The feeder tube dispensing end is beveled to allow for a 1/4 in. plus tolerance.

#### 7. COMBINING CAPSULE AND FEEDER TUBE

Several methods of combining the capsule with the feeder tube are acceptable including placing by hand, the feeder tube's flange end, with the flange notch upward, into the capsule insert hole of a compressed upright capsule. Push the flange end of the feeder tube flush with the membrane located at the inner end of the insert hole.

#### 8. PLACING THE FEEDER TUBE IN THE TREE

Firmly seat the beveled, dispensing end of the feeder tube, with the attached upright capsule, into the predrilled tree injection hole. Tap the rear side, opposite the insert hole of the capsule with a mallet. This action will simultaneously seat the feeder tube in the injection hole while breaking the capsule membrane for releasing the capsule contents into the feeder tube and into the tree. Another method is to place the feeder tube in the predrilled hole of the tree using the optional insertion tool. Then place the compressed capsule onto the feeder tube in place.

#### 9. REMOVAL

Uptake in the tree usually occurs within several minutes. Capsules may be temporarily rotated in place to see if any liquid is left. When empty, turn the capsules upside down for one minute before removal. Applicators must remove micro-injectors promptly after treatment. Empty capsules must not be left on the tree. The health and species of the tree, and local environmental conditions will determine the rate of uptake. If the capsule does not completely empty within a few hours, invert and carefully remove the capsule and enclose it in a heavy duty plastic bag for disposal in accordance with state and local regulations.

#### 10. MINI-MICRO FEEDER TUBE

For established trees with thin bark (less than 3/8 in. thickness), use a 7/64 in. drill bit to produce a micro-injection site for a mini-micro feeder tube. Use of the Mini-Micro insertion tool is recommended.

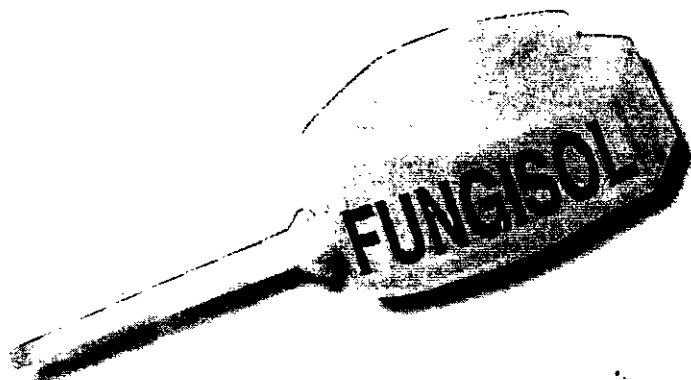
## GENERAL DIRECTIONS

**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.



4/4  
Mauget®

## 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	Anthracoze (Fall application only)
Bay Tree	Fusarium Wilt, Nectria Canker
Birch	Melanconium Dieback
Buckthorn	Nectria (Tubercularie) Canker
Campbor	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, Nectria Canker, Oak Decline (Botryodiplodia, Cephalosporium, Dothiorella, Fusarium, Pestalotia, Phialophora, Verticicladiella, 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	Anthracoze (Spring application only), Ceratocystis Canker
Walnut (Black Non-Crop)	Melanconium Dieback
Willow	Cytospora Canker

### PESTICIDE 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.