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: 129 Growth Center Dr NE #A Floyd, VA 24091
EPA ESTABLISHMENT NO: 7946-VA-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%
Total	100.0%

Net Contents:

24 capsules plus 24 feeder tubes per carton

_____ 24 capsules @ 0.14 fl. oz. (4 mL) each, 3.25 fl. oz. (96 mL) net or
_____ 24 capsules @ 0.2 fl. oz. (6 mL) each, 4.9 fl. oz. (144 mL) net

Shipping box: 12 cartons as above.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING	• 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.
IF IN EYES	• 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.
IF SWALLOWED	• 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.

HOT LINE NUMBER

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.

NOTE TO PHYSICIAN

There is no specific antidote available. Treat patient symptomatically.

GROUP 1 FUNGICIDE

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. 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.

APPLICATORS AND OTHER HANDLERS MUST WEAR:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves, such as barrier laminant, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, polyvinyl chloride (PVC) > 14 mils or viton > 14 mils

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.

NOTICE OF WARRANTY

To the extent consistent with applicable law, 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.

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.

Not for use on ornamental trees grown for sale.

Resistance-Management Recommendations

For resistance management, Fungisol® contains two Group 1 fungicides. Any fungal/bacterial population may contain individuals naturally resistant to Fungisol® and other Group 1 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

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, forests, 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)

3. 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.
Use the following dosage, per capsule:

4 mL – 2 to 10 inches DBH (Diameter at Breast Height); 6 to 31 inches circumference
6 mL – 10 inches DBH and above; 31 inches and above circumference

Trees in advanced stages of insect infestation and/or 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 the 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 so as to avoid contact with the capsule contents 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.

USE DIRECTIONS

Important: Fungisol® is intended for use by professional applicators including Arborists. It may be applied to ornamental trees in residential and non-residential landscapes, exterior plantscapes, and other areas where ornamental trees are grown. Fungisol® is not for use on ornamental trees grown for sale. 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.

Application, use, and disease: Make applications 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	Anthracnose (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	Cornyneum Blight, Diplodia Tip Blight, Phomopsis, Kabatina
Cypress	Cedar Branch Canker
Douglas Fir	Phomopsis Canker

USE	DISEASE
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 pernicosium (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	Anthracnose (Spring application only), Ceratocystis Canker
Walnut (Black Non-Crop)	Melanconium Dieback
Willow	Cytospora Canker

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. Fungisol® is not registered in California for pesticide use. Use for tree micro-injection only as a post-bloom application. Do not apply prior to or during tree blooming.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool place over 45° F 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 facilities.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Dispose of empty capsules in sanitary landfill or by incineration if approved by State and Local authorities. Offer for recycling, if available.