Tebuject ® 16

SYSTEMIC FUNGICIDE

IN READY TO USE CAPSULES

FOR TREE INJECTION USE FOR SEASONAL SUPPRESSION OF CERTAIN DISEASES OF ORNAMENTAL TREES
INTENDED FOR USE BY PROFESSIONAL APPLICATORS

MFG. BY:	J.J. MAUGET CO
ADDRESS	129 Growth Center Dr NE #A
TOWN, STATE:	Floyd, VA 24091
PHONE	626-444-1057

EPA REGISTRATION NO:	7946-28
EPA ESTABLISHMENT NO:	7946 VA-1

ACTIVE INGREDIENT:

Tebuconazole *.....	16.0%
OTHER INGREDIENTS:.....	84.0%
TOTAL.....	100.0%

*Contains (1.09 g/mL) a-[2-(4-Chlorophenyl)ethyl]-a-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol

Net Contents:

Includes: 24 capsules plus 24 feeder tubes per carton/quarter flat

_____ 24 capsules @ 0.14 fl. oz. (4 mL) each, 3.25 fl. oz. (96 mL) net

_____ 24 capsules @ 0.2 fl. oz. (6 mL) each, 4.9 fl. oz. (144 mL) net

Shipping box: 12 cartons/quarter flats as above.

_____ 288 capsules @ 0.14 fl. oz. (4 mL) each, 39.0 fl. oz. (1152 mL) net

_____ 288 capsules @ 0.2 fl. oz. (6 mL) each, 58.4 fl. oz. (1728 mL) net

KEEP OUT OF REACH OF CHILDREN

CAUTION

	FIRST AID
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. • 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 to an unconscious person.
IF INHALED	• 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 treatment advice.
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.	

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.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through the skin, swallowed, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. 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
  - Chemical-resistant gloves (barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, and viton ≥14 mils.)
- Shoes plus socks
- Protective eyewear (goggles, face shield or safety glasses)

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Read entire label, use strictly in accordance with precautionary statements and directions, and with applicable state and federal regulations. Failure to follow label directions may result in poor control or tree injury.

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.

RESTRICTIONS

- **DO NOT** inject trees that are drought stressed.
- **DO NOT** inject newly established trees and/or trees that are less than two inches in diameter at breast height (DBH) (6 inches in circumference).
- **DO NOT** use on trees which will produce food within the year following treatment unless food crop on treated trees is discarded and destroyed.
- **DO NOT** apply to trees that exceed 100 inches DBH.
- **DO NOT** exceed calculated number of capsules per tree**.**

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. The health, species of the tree, and the environmental conditions will determine the rate of uptake. Infected trees will absorb the material more slowly due to the vascular plugging caused by the disease. If Tebuject™ 16 is not absorbed within 24 hours (barring any applicator error or malfunction of injection device or environmental factors affecting tree transpiration), the tree may be considered high risk and has a poor chance of survival.

Thoroughly irrigate trees/plants prior to or at the same time of injection.

Test for phytotoxicity prior to regular use.

TEBUJECT™ 16 IS A FUNGICIDE FOR USE ON ORNAMENTAL TREES IN LANDSCAPES FOR THE CONTROL OF THE FOLLOWING PATHOGENS
OAK WILT (*Ceratocystis fagacearum*) of Oak (not for use in California)
DUTCH ELM DISEASE (*Ceratocystis ulmi*) of Elms (not for use in California)
CRABAPPLE SCAB (*Venturia inaequalis*) of ornamental Crabapple
HAWTHORN LEAF SPOT (*Diplocarpon theumenii*) of Hawthorn
ANTHRACNOSE
FUSARIUM DIEBACK

MAUGET CAPSULES



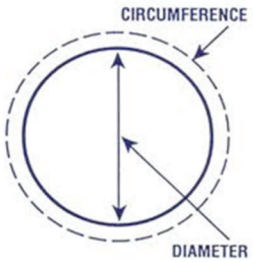
Mauget compressible capsule with feeder tube insert hole
Feeder tube** with flanged gunsight (“V” notch) and opposite tapered beveled end

**Standard feeder tube provided is 2 ¾” using an 11/64” drill bit. Additional sizes available are Micro-Mini (1 1/4”), Micro (1 ¾”) and Large (4 ½”). Micro-Mini and Micro would be used on trees with thin bark, using a 7/64” drill bit. Large would be used on trees with thick bark, using the standard 11/64” drill bit.

TOOLS

Portable electric drill
11/64 in. (0.4 cm) drill bit
Plastic mallet
Tape measure
Insertion tool (optional)
Mauget Compression Tool (optional)

1. **NUMBER OF CAPSULES**
   a. Measure the circumference or diameter of the tree at breast height (approximately 4.5 feet from the soil-line) using a tape measure or an arborist diameter tape.
   b. If measuring the circumference (CBH), divide this number by six (6) to determine the number of capsules needed.
   c. If measuring the diameter (DBH), divide this number by 2 (two) to determine the number of capsules needed.
   d. If the number of capsules results in a fraction, round up to the higher whole number.
   e. To account for trunk flare, place injection sites evenly (every 6-8 inches) around the base of the root flare within 6 to 8 inches of the root crown.
   f. For pines and other resinous conifer species, injection sites may be higher up on trunk.



Tree Size, DBH	Low Disease Pressure	High Disease Pressure
2 - 10" DBH	4 ml capsules	6 ml capsules
10"+ DBH	6 ml capsules	6 ml capsules

2. DRILLING THE TREE HOLE

a. Unless otherwise noted, predrill, at approximately 6 in. intervals, 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) hi-helix drill bit (except monocotyledons, conifers, etc.).
b. For conifer species with high resin pressure, place injection sites higher on the trunk (36 – 48 inches) and to a deeper depth of up to 2+ inches.
c. Drill to a depth of 3/8 to 1/2 in. (0.95 to 1.3 cm) into healthy xylem tissue under the bark.
d. 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.
e. The feeder tube dispensing end is beveled to allow for a 1/4 in. plus tolerance.
f. Disinfect drill bit and insertion tool (if used) prior to use on each tree.
g. Note: Feeder tube can be placed in the hole at this time to hold/mark the spot until capsules are ready to use.

3. PRESSURIZING THE CAPSULES

a. To pressurize capsules, firmly press down on colored top until it clicks using your hands/thumbs or a Mauget compression tool.
b. In high altitude conditions, pressing the colored top down to the locking position may be difficult. This is an indication of high internal capsule pressure that results in faster diffusion of product into the tree.
c. To maintain optimal pressure, monitor the capsules after installation and re-pressurize units when half of the dosage is administered.

If the center button depresses too easily and drainage is slow, pre-puncturing the capsule port membrane with the feeder tube prior to installation will equalize pressure to allow for diffusion. See steps 4 h-k below.

4. COMBINING CAPSULE AND FEEDER TUBE- Three methods of combining the capsule with the feeder tube are acceptable.

a. By hand, place the feeder tube's flange end, with the flange notch upward, into the insert hole of a pressurized/compressed upright capsule.
b. Push the flange end of the feeder tube flush with the membrane located at the inner end of the insert hole.
c. Go to Step 5a.

OR

d. Place the feeder tube in the predrilled hole using the optional insertion tool.
e. Remove the insertion tool.
f. Place the pressurized/compressed capsule onto the feeder tube.
g. Go to Step 5b.

OR

h. With capsule and feeder tube pointing upward, fully insert the feeder tube into the capsule, breaking the capsule membrane.
i. Insert the beveled end of the feeder tube and capsule into the predrilled hole.
j. Tap the rear side of the capsule with a mallet or the heel of your hand to firmly seat the feeder tube into the hole.
k. Pressurize the capsule by carefully pressing down the colored top of the capsule until it clicks using either your thumbs or a Mauget compression tool.
l. Go to Step 6.

5. PLACING THE FEEDER TUBE IN THE TREE

a. Firmly seat the beveled, dispensing end of the feeder tube, with the attached upright capsule, into the predrilled tree injection hole.
b. Tap the rear side, opposite the insert hole of the capsule with a mallet or the heel of your hand. 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.

6. REMOVAL

a. Uptake in the tree usually occurs within several minutes.
b. Capsules may be temporarily rotated in place to see if any liquid is left.
c. When empty, turn the capsules upside down for one minute before removal.
d. Applicators must remove the micro-injectors promptly after treatment.
e. Empty capsules must not be left on the tree.
f. The health and species of the tree, and local environmental conditions will determine the rate of uptake.
g. 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.

RETREATMENT

At time of initial application, make note of the health level of each tree. Reevaluate health level in treated trees at 12-month intervals to determine the need for retreatment. Consider preventive applications 12-36 months after the initial treatment.

Evaluate trees in high pest pressure areas or highly valued trees for retreatment if symptoms progress or 12 months after each treatment.

Follow application procedures described above for repeat injections; new drill holes will be required for subsequent treatments. Stagger the holes equally in subsequent applications to ensure proper uptake.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep pesticide in original container. Store in a cool (45°F-90°F), dry place out of direct sunlight and out of reach of children and animals.

PESTICIDE DISPOSAL

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

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available, or dispose of empty capsules in a sanitary landfill or by incineration if approved by State and Local authorities. Do not burn unless allowed by State and local ordinances. If burned, stay out of smoke.