

®



# MYCOJECT<sup>®</sup> ULTRA

SYSTEMIC ANTIBIOTIC  
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 REGISTRATION NO:	7946-32
EPA ESTABLISHMENT NO:	7946-CA-1

**ACTIVE INGREDIENT:**  
Oxytetracycline Hydrochloride..... 4.3%

**OTHER INGREDIENTS:**..... 95.7%

Total 100.0%

Net Contents:

\_\_\_\_\_ 288 capsules @ 0.2 fl. oz. (6 mL) each, 58.4 fl. oz. (1728 mL) net;  
288 feeder tubes

\_\_\_\_\_ 24 capsules @ 0.2 fl. oz. (6 mL) each, 4.9 fl. oz. (144 mL) net; 24  
feeder tubes

\_\_\_\_\_ Shipping box: 12 cartons as above.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

	FIRST AID
<b>IF SWALLOWED</b>	<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>IF ON SKIN OR CLOTHING</b>	<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>
<b>IF IN EYES</b>	<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>
<b>IF INHALED</b>	<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 mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**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.

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

## CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear goggles, face shield, or safety glasses, long sleeved shirt, long pants, socks, shoes, and chemical-resistant gloves.

**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 polyethylene or butyl rubber or neoprene rubber or viton
- Protective eyewear such as goggles, face shield or safety glasses

**USER SAFETY REQUIREMENTS:**

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.

Use within 6 months of the container-stamped packaged date.

**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.

### 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) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, wear:

- Coveralls over long-sleeved shirts and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

#### **1. The MAUGET SYSTEM**

(A) Mauget compressible capsule with insert port

(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. Calculations result in one 6 mL capsule every 6 inches of trunk circumference.

#### **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 approximately every six inches of trunk circumference at a slight downward angle at the root flair/buttress area (approximately 6.0 to 8.0 in.) above ground level, using a clean 11/64 in. drill bit (except monocotyledons). Drill to a depth of 3/8 to 1/2 in. into healthy xylem tissue (white wood) under the brown outer 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.

Palms are monocots and have vascular bundles scattered throughout the trunk. Administer the calculated dosage through one or several injection sites equally spaced around the trunk. Predrill the injection site at a slight downward angle, to a depth of 1.5 to 3 in. of healthy moist tissue, but no more than 1/3 the diameter of the trunk, to ensure bisecting many vascular bundles. A longer (6-8") drill bit may be required depending upon the size of the palm.

#### **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 deep, 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 till snug into the end of the insert port.** To avoid vapor lock (no drainage), pre-puncture the capsule with the feeder tube, insert into the drilled channel, and then compress lid. A click will be heard.

#### **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. The Mini-Micro Insertion tool may be used.

## GENERAL DIRECTIONS

**Important:** Do not use any part of treated trees or shrubs, including sap as food or feed. 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 Mycoject Ultra 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 that will produce food within the year following treatment.

## APPLICATION, USE and DISEASE

Mycoject Ultra is a ready-to-use antibiotic for use on non-crop bearing ornamental trees and large woody shrubs. Make applications when disease first appears. Mycoject Ultra provides seasonal suppression of mycoplasmas, xylem-limited bacteria (*Xylella fastidiosa*, BLS), yellows diseases, and some bacterial blight diseases. Late summer or early fall applications provide disease suppression the following season. Some diseases may require repeated yearly application.

USE	DISEASE
Ash	Ash Yellows
Elm	Bacterial Leaf Scorch, Phloem Necrosis
Gum (Sweet)/Liquidamber	Bacterial Leaf Scorch
Mountain ash	Fire Blight
Oak	Bacterial Leaf Scorch
Palm	Palm Lethal Yellows
Pear	Fire Blight
Oleander	Bacterial Leaf Scorch
Sycamore	Bacterial Leaf Scorch

## PESTICIDE STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool place over 45° F with units in an upright position. Do not expose material to temperatures in excess of 85°F for prolonged periods.

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

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances. If burned, stay out of smoke.