



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7504P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

7946-32

Date of Issuance:

APR 13 2010

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Mycoject Ultra

Name and Address of Registrant (include ZIP Code):

J.J. Mauget Co.
5435 Peck Road
Arcadia, CA 91006

Mail To: Frederick T. Smith
Agent for J.J. Mauget Co.
SciReg, Inc.
12733 Director's Loop
Woodbridge, VA 22192

Note: Changes in labeling, differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

Signature of Approving Official:

Lisa Jones FOR

Shaja B. Joyner, Product Manager (20)
Fungicide Branch, Registration Division (7504P)

Date:

April 13, 2010

2. You must submit the following conditional data before the due date of 10/21/2011.
  - a. Storage Stability (830.6317) and Corrosion Characteristics (830.6320) studies with observations conducted at 0, 3, 6, 9, and 12 month intervals. The results must be submitted to the Agency in electronic and hard copy formats.
  
3. Make the following change to the label:
  - a. Change the product registration number to "EPA Reg. No. 7946-32".
  
  - b. Delete page 1 of the labeling for customer use.
  
  - c. On pages 2 and 8, within the product name box, provide a proper email address. Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.
  
  - d. On pages 2 and 8, correct the spacing so that the EPA Establishment number appears on one line.
  
  - e. Reorder the First Aid statements on pages 2-3 and 8-9 as follows: If swallowed, If on skin or clothing, If in eyes, and If inhaled.
  
  - f. On pages 4 and 10, revise the PPE-Protective eyewear statement as follows.  
"Protective eyewear such as goggles, face shield or safety glasses". Also, following the PPE section and prior to the Environmental Hazards text, insert "User Safety Requirements" and "User Safety Recommendations" as follows.  
"User Safety Requirements: Follow the 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. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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.”

- g. On pages 4 and 10, revise the sentence directly below the “Hazards to Humans and Domestic Animals” box as follows. “Use within 6 months of the container stamped packaged date”. Further, ensure that the container indicates a package date in the form of month/date/year.
- h. On pages 5 and 11, within the Agricultural Use Requirements box amend the second to last sentence by adding “and restricted entry interval” following the text “personal protection equipment (PPE)”. Also add the following information to the end of the text present within the Agricultural Use box.

“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:

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

- i. On page 5, include a spacing width for injection sites within the directions noted for step 5: Drilling the Tree Hole. Also use the word “deep” instead of “deeply” in the second sentence for the directions noted for step 6: Tree Hole Depth.
- j. On page 5, provide drill instructions for palm within the step 5: Drilling the Tree Hole. The current directions provide information for crops except monocots; however a monocot (palm) is listed on the label. Also delete the reference to conifers in this section as no conifers are listed for use.
- k. On pages 6 and 12, within the Application, Use and Disease paragraph, add “non-crop bearing” before “ornamental trees” within the first sentence. Then within the Use/Disease Table, delete the phrasing “non-bearing” noted under mountain ash and pear. This information will be incorporated with the change noted earlier.
- l. On page 6, following the header “General Directions” and the word “Important” insert the following sentence. “Do not use any part of treated trees or shrubs, including sap as food or feed.”

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- m. On pages 7 and 13, update the "Pesticide Disposal" and "Container Handling" in accordance with PR Notice 2007-4. For further guidance, visit <http://www.epa.gov/oppfead1/labeling/lrm/chap-13.htm>.
- n. On page 11, delete the first paragraph immediately following the Agricultural Use Requirements text box., then insert the following information.

"The Quik Inject 20 (QI-20) system is a reusable tree injector that utilizes preloaded, 20 ml disposable cartridges. The QI-20 system allows for multiple tree injections at 6 ml doses but with fewer empty containers to dispose of. For example, one 20 ml cartridge will provide three 6 ml dosages."

- o. On page 12, include a spacing width for injection sites within the directions noted for step 6. Drilling the Tree Hole.
4. Submit one copy of the revised final printed label before the product is released for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted with Comments" is enclosed for your records. If you have any questions, please contact Shaunta Hill at 703-3437-8961 or by email at [hill.shaunta@epa.gov](mailto:hill.shaunta@epa.gov).

*Lisa Jones* FOR  
Shaja B. Joyner  
Product Manager (20)  
Fungicide Branch  
Registration Division (7504P)

Enclosure:

Label stamped "Accepted with Comments"  
Product Chemistry Review DP#371940  
Acute Toxicity Review DP#371945

**Mauget**<sup>®</sup>

**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-
EPA ESTABLISHMENT NO:	7946-CA-1
E-MAIL ADDRESS:	www.Mauget.com

**ACTIVE INGREDIENT:**

Oxytetracycline Hydrochloride..... 4.3%

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

Total 100.0%

Net Contents:

**ACCEPTED**  
with **COMMENTS**  
In EPA Letter Dated  
APR 13 2010

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.**

7946-32

**Mauget**<sup>®</sup>

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SYSTEMIC ANTIBIOTIC  
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TOWN, STATE: Arcadia, CA 91006  
EPA REGISTRATION NO: 7946-  
EPA ESTABLISHMENT NO: 7946-CA-  
1  
E-MAIL ADDRESS: [www.Mauget.com](http://www.Mauget.com)

**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**

<b>FIRST AID</b>	
<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>

<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 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>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.	

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**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

**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 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). 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 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 at a slight downward angle at the root flair/buttrass area (approximately 6.0 to 8.0 in.) above ground level, using a clean 11/64 in. drill bit (except monocotyledons, conifers, etc.). 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.

#### **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 till it 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:** 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 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.

<u>USE</u>	<u>DISEASE</u>
Ash	Ash Yellows
Elm	Bacterial Leaf Scorch, Phloem Necrosis
Gum (Sweet)/Liquidamber	Bacterial Leaf Scorch
Mountain ash (non-bearing)	Fire Blight
Oak	Bacterial Leaf Scorch,

Palm	Palm Let	Yellows
Pear (non-bearing)	Fire Blight	
Oleander	Bacterial Leaf Scorch	
Sycamore	Bacterial Leaf Scorch	

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

**Mauget**<sup>®</sup>

**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-  
EPA ESTABLISHMENT NO: 7946-CA-  
1  
E-MAIL ADDRESS: [www.Mauget.com](http://www.Mauget.com)

**ACTIVE INGREDIENT:**

Oxytetracycline Hydrochloride..... 4.3%

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

Total 100.0%

**Net Contents:**

\_\_\_\_\_ 25 capsules @ 0.70 fl oz (20 mL) each; 17.5 fl oz (500 mL) net

\_\_\_\_\_ 50 capsules @ 0.70 fl oz (20 mL) each; 35 fl oz (1000 mL) net

\_\_\_\_\_ 100 capsules @ 0.70 fl oz (20 mL) each; 70 fl oz (2000 mL) net

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

	<b>FIRST AID</b>
<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>

<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 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>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.	

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**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. 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
- 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 or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

Use within 6 months of 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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

The Quik Inject 20 (QI-20) is a reusable tree injector that utilizes preloaded, 20 mL disposable cartridges. The QI-20 allows the applicator to inject dosages similar to Mauget's standard capsule, but with fewer empty containers to dispose of. Substitute dosage per injection site for capsule size. For example, using a 6 mL standard capsule, substitute the QI-20 dose with the QI-20 and space around the trunk every 6 inches of circumference.

**1. The Mauget QI-20 System**

- (A) Mauget QI-20 reusable tree injector
- (B) 20 mL cartridges
- (C) Charger
- (D) Nose Cones

**2. Tools**

- (A) Portable electric drill
- (B) 3/16 in (5 mm) drill bit
- (C) Arborist Tape or standard measuring tape

**3. Number of Micro-injection Sites**

- (A) Measure the tree at chest height in inches at a level of 4.5 feet from the soil-line. If measuring the circumference, divide this number by 6 to determine the number of micro-injection sites required.
- (B) If using an Arborist tape and measuring the diameter at breast height (DBH), divide this number by 2 to determine the number of micro-injection sites required.
- (C) Calculations result in one 6 mL dose every 6 inches of trunk circumference.

**4. Setting the Dosage**

Adjust the thumb screw at the desired dosage (6 mL, etc.) and release trigger to engage plunger. When the dosage has been applied, remove the QI-20 and place in the next injection site. Rotate the thumb screw to the next dosage increment and leave in place while draining. Repeat until the desired number of sites or dosages has been administered.

**5. Pressurizing the QI-20**

Place the Housing Assembly into the charger and set the plunger.

## 6. Drilling the Hole

Pre-drill spaced injection sites at a 45 degree angle within the root flair/ buttress area (approximately 6-8 inches, 15 to 20 cm) above ground level, using a clean 3/16 (5 mm) drill bit. Disinfect drill bit between trees, as necessary.

## 7. Tree Hole Depth

Drill through the outer bark (brown) to at least  $\frac{1}{2}$ - $\frac{3}{4}$  inch into healthy xylem (white wood) being sure to remove all wood shavings. Actual depth may be up to 1 to 2 inches or more from the outer trunk surface depending upon the tree species and outer bark thickness. The drilled channel may need to be deeper if leaking occurs. Turning the QI-20 approximately one-half turn will stop the leakage.

## 8. Inserting the cartridge into the Nose Cone

Insert nose cone into pre-drilled injection site. Holding the 20 mL cartridge along the rear edge (piston), insert the pointed end into the nose cone and gently rotate cartridge in clock-wise direction. This motion pierces the rubber tip and firmly seats the cartridge. If the back (piston) of the cartridge is not flush with the end of the nose cone, the cartridge tip will not pierce correctly to make the application.

## 9. Attach Nose Cone to Charged Housing Assembly

Twist housing assembly (back end) onto nose cone until interlock clicks into place.

## 10. Injecting the Tree

- A. Turn the unit into the pre-drilled channel in a clock-wise motion until nose tip is snug.
- B. Avoid burying the tip unnecessarily in the bark.
- C. When seated, pull the trigger to release the plunger.
- D. When the dosage has been injected, remove the unit and place in next pre-drilled channel and reset the thumb screw for the next dose.

## 11. Uptake Time

Uptake in the tree usually occurs within several minutes to an hour. The health and species of tree and local environmental conditions will determine the rate of uptake. If there is no movement of material after one hour, remove the QI-20 from the tree.

## 12. Cartridge Disposal

Remove spent cartridges and place in a heavy-duty plastic bag for disposal in accordance with state and local regulations.

## 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 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 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. 17/18

<b>USE</b>	<b>DISEASE</b>
Ash	Ash Yellows
Elm	Bacterial Leaf Scorch, Phloem Necrosis
Gum (Sweet)/Liquidamber	Bacterial Leaf Scorch
Mountain ash (non-bearing)	Fire Blight
Oak	Bacterial Leaf Scorch,
Palm	Palm Lethal Yellows
Pear (non-bearing)	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 of time.

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

**Mauget**®

# MYCOJECT® ULTRA

18/18

EPA REG. NO. 7946-  
EPA EST. NO. 7946-CA-1

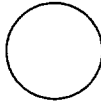
The registered label shall be in the possession of the user during application.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**ACTIVE INGREDIENT:**

<b>OXYTETRACYCLINE HYDROCHLORIDE.....</b>	<b>4.3%</b>
<b>OTHER INGREDIENTS:.....</b>	<b><u>95.7%</u></b>
<b>TOTAL.....</b>	<b>100.0%</b>

Made in U.S.A. J.J. Mauget Co.  
5435 Peck Road  
Arcadia, CA 91006-5847



Net Contents 6 mL or 0.2 fl oz