



MYCOJECT[®] ULTRA

**SYSTEMIC ANTIBIOTIC
IN READY TO USE BOTTLES
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: | 7946-32 |
| EPA ESTABLISHMENT NO: | 7946-VA-1 |

ACTIVE INGREDIENT:

Oxytetracycline Hydrochloride..... 4.3%

OTHER INGREDIENTS:..... 95.7%

Total 100.0%

Net Contents– Bottles:

_____ 1 bottle @ 1 liter (33.8 fl. oz.)

_____ 1 bottle @ 500 mL (16.9 fl. oz.)

Shipping box/case:

_____ 4 bottles @ 1 liter (33.8 fl. oz.) ea., 4 liters (135.2 fl. oz.) net

_____ 4 bottles @ 500 mL (16.9 fl. oz.) ea., 2 liters (67.6 fl. oz.) net

Use within 6 months of the date-stamped on package.

{Optional referral statements when booklets and container labels are used:}

[See label booklet for [complete] [additional] [First Aid,] [Precautionary Statements], [Directions For Use], and [Storage and Disposal].]

KEEP OUT OF REACH OF CHILDREN

CAUTION

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
- 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)

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:

- 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.

FIRST AID

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.

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 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 further 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.

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, including plants, soil or water, wear:

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

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 2 inches in diameter.
- This product is not to be used on trees that will produce food within the year following treatment.
- **DO NOT** apply more than 6 mL of product every 6 inches of trunk circumference. **DO NOT** apply more than 0.0057 lb. a.i./tree and/or 0.342 lb. a.i./day.
- **Minimum Retreatment Interval:** 12 months

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.

| Disease | Trees |
|---|--|
| Bacterial Blight | Apple, Cherry, Crabapple, Hawthorn, Lilac, Peach, Pear |
| Bacterial Canker | Hickory, Horse Chestnut, Maple, Oak, Pear, Plum, Poplar, Walnut |
| Bacterial Leaf Scorch | Dogwood, Elm, Ginkgo, Hackberry, Maple, Mulberry, Oak, Oleander, Sweet Gum/Liquidambar, Sycamore |
| Bacterial Leaf Spot | Magnolia, Rhododendron |
| Elm Yellows/Phloem Necrosis | Elm |
| Fire Blight | Apple, Apricot, Hawthorn, Pear, Serviceberry, Cherry, Crab Apple, Mountain Ash, Plum |
| Lethal Bronzing | Palm |
| Lethal Yellows | Palm |
| Wetwood / Slime Flux | Apple, Birch, Boxelder, Butternut, Crabapple, Dogwood, Elm Hemlock, Hickory, Horse Chestnut, Linden, Maple, Mountain Ash, Mulberry, Oak, Peach, Pear, Plum, Red Bud, Russian Olive, Sweetgum, Sycamore, Tulip Tree, Walnut, White Pine |
| Witches Broom, (caused by Phytoplasmas) | Dogwood, Elm, Peach, Ash, Apple |
| X-Disease | Cherry, Chokecherry, Nectarine, Peach, Plum, |
| Yellows Disease | Ash, Elm |

APPLICATION EQUIPMENT



Test Mycoject® Ultra compatibility with the injector and its liquid contact components before regular use.

Clean the interior of the injector with a solvent cleaner to remove any residual liquid from prior use. Disinfect tree injector tips between each tree injection.

Use liquid loadable injector equipment/devices with care and in a safe manner, in addition to following each manufacturer's directions, restrictions, and precautions.

1. Measure the tree at chest height in inches.
 - a. If measuring the circumference, divide this number by six (6) to determine the number of injection sites needed.
 - b. If measuring the diameter at breast height (DBH), divide this number by 2 (two) to determine the number of injection sites needed.
 - c. If the number of injection sites results in a fraction, round up to the higher whole number.
2. See the chart below for dosage rates.
3. The use of lowest or highest specified rate is based on the professional judgment of the applicator as to what constitutes a preventative (pre-infection) or therapeutic (post-infection) treatment.
 - a. Use lowest specified rates for preventative treatments and to provide protection in smaller trees.
 - b. Use higher specified rates for therapeutic treatments, when disease symptoms have already appeared, and in larger trees.
4. The lower specified rate is to be used on trees less than 10 inches DBH and the higher specified rate for trees greater than 10 inches DBH.
5. Place injection sites evenly spaced around the root buttress region avoiding root valleys.
6. Follow good injection practices. Disinfect drill bit prior to use on each tree.

| Tree Size, DBH | Low Disease Pressure | High Disease Pressure |
|----------------|-------------------------|-------------------------|
| 2 - 10" DBH | 4 ml per injection site | 6 ml per injection site |
| 10"+ DBH | 6 ml per injection site | 6 ml per injection site |

Drilling the Hole:
Depending on the specific type of applicator, it may be necessary to predrill holes prior to insertion of the applicator tip into the tree. Drill holes deep enough to allow the tree's vascular system to transport Mycoject® Ultra throughout the tree. Make injection holes at least ½ to ¾ inch into healthy xylem (white wood) with actual depth up to 2 inches or more from the outer trunk surface depending upon the tree species and outer bark thickness.

Application and Use:
Set the injector for the appropriate amount of Mycoject® Ultra per site and pressurize the injector. To account for trunk flare, place injection sites evenly spaced around the root buttress region avoiding root valleys. Follow good injection practices. Disinfect drill bit prior to use on each tree.

Uptake Time:
Uptake time in the tree usually occurs within several minutes to an hour dependent upon species of tree, soil moisture availability, and the type of tree injector.

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
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 facility.

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