

For use only within the state of Florida.

Injectable Citrus Tree Antibiotic for the control of Citrus Greening
 ReMedium TI® is a systemic injectable antimicrobial for the control or suppression
 of Huanglongbing (HLB, Citrus Greening) for Citrus Group 10-10.

OXYTETRACYCLINE GROUP

41

FUNGICIDE/BACTERICIDE

Active Ingredient

Oxytetracycline Hydrochloride*94.5%

Other Ingredients5.5%

Total 100.00%

*Equivalent to 87.5% Oxytetracycline

KEEP OUT OF REACH OF CHILDREN

WARNING/(AVISO)

See inside booklet for Additional Precautionary Statements, Directions for Use and Restrictions.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

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.
- Call a poison control center or doctor for 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.

HOT LINE NUMBER

Have the product container with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call your poison control center at 1-800-222-1222.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg. No. 100999-1

Net Contents: 5.82 oz (165 Grams)

Produced for: TJ BioTech LLC

PO Box 21, Buffalo, SD 57720

Est. No. 100999-FL-4

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Causes substantial but temporary eye injury. **DO NOT** get in eyes or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). May cause allergic skin reactions. **DO NOT** breathe dust. Wear dust mask and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. This material is not to be used for medical, veterinary or human purposes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All Mixers must wear a minimum of:

- Protective eyewear (goggles, safety glasses or face shield)
- Shoes and socks
- Chemical resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton™ ≥ 14 mils
- Long sleeve pants and shirt
- NIOSH-approved particulate filtering face piece respirator with any N, R or P filter (TC- 84A); OR an elastomeric NIOSH-approved particulate respirator with any N, R or P filter (TC-84A); OR a NIOSH-approved powered air purifying respirator with an HE filter (TC- 21C). Higher level respirators that are NIOSH-approved for particulates that contain oil may also be used.

All Applicators must wear a minimum of:

- Protective eyewear (goggles, safety glasses or face shield)
- Shoes and socks
- Chemical resistant gloves
- Long sleeve pants and shirt

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

If user comes in contact with a pesticide, user should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing/PPE.
- 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, to areas where surface water is present, or to intertidal areas below the mean highwater mark. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

RESISTANCE MANAGEMENT

This product contains the antibiotic oxytetracycline. To reduce the development of drug-resistant bacteria and maintain the effectiveness of this and other fungicide/bactericide products, this product should be used only to treat Citrus Greening Disease or Huanglongbing, "HLB", Citrus greening, "greening" in Citrus (Crop Group 10-10).

For resistance management, please note that ReMedium T1® contains a Group 41 (antibiotic/fungicide/bactericide). Any fungal/bacterial population may contain individuals naturally resistant to ReMedium T1® and other Group 41 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.

To delay fungicide/bactericide resistance, **DO NOT** use ReMedium T1® or other Group 41 products more than two years in a row.

For further information or to report suspected resistance contact TJ BioTech, LLC at info@tjbiotechllc.com.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and 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 apply to uses 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
- Protective eyewear

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Persons using this product must comply with all applicable directions, restrictions, and precautions found on this labeling and that of the label of the federally registered product upon which this amendment is based. This labeling must be in the possession of the user at the time of pesticide application.

DIRECTIONS FOR USE

RESTRICTIONS

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 requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

APPLICATION RESTRICTIONS

- **NOT** to be used for medical, veterinary, or human purposes.
- **NOT** for residential use.
- When alternatives are available, **DO NOT** apply more than two consecutive applications before alternating with another fungicide/bactericide of a different mode of action.
- **DO NOT** apply this product by aerial application.
- **DO NOT** apply this product through any type of irrigation system, including chemigation.
- Use only the specified application rates.
- For bearing citrus, **DO NOT** treat more than one time per year. **DO NOT** apply more than 5.1 fl oz (150 mL) of the product solution per tree per year, equivalent to 0.0032 lb oxytetracycline (a.i.) per tree per year.
- **DO NOT** harvest fruit before the Pre-Harvest Interval of 180 days.
- For non bearing citrus, **DO NOT** apply more than two injections per tree per year with a minimum retreatment interval (RTI) of 4 months (120 days). This is equivalent to a maximum annual rate of 0.00022 lb oxytetracycline per tree per year.
- **DO NOT** apply a foliar Oxytetracycline-HCl or Calcium Oxytetracycline Complex fungicide/bactericide during the same cropping year when injections have been made.

ReMedium T1® is a systemic injectable antimicrobial for the control of Huanglongbing (“HLB”), also known as Citrus Greening or Greening disease (*Candidatus Liberibacter asiaticus*) in Citrus fruit (Crop Group 10-10):

- Australian desert lime, *Eremocitrus glauca* (Lindl.) Swingle,
- Australian finger lime, *Microcitrus australasica* (F. Muell.) Swingle,
- Australian round lime, *Microcitrus australis* (A. Cunn. Ex Mudie) Swingle,
- Brown River finger lime, *Microcitrus papuana* Winters,
- Calamondin, *Citrofortunella macrocarpa* (Bunge) Wijnands,
- Citron, *Citrus medica* L,
- Citrus hybrids, *Citrus* spp. *Eremocitrus* spp., *Fortunella* spp., *Microcitrus* spp., and *Poncirus* spp,
- Grapefruit, *Citrus paradisi* Macfad,
- Japanese summer grapefruit, *Citrus natsudaidai* Hayata,
- Kumquat, *Fortunella* spp.,
- Lemon, *Citrus limon* (L.) Burm. f,
- Lime, *Citrus aurantiifolia* (Christm.) Swingle,
- Mediterranean mandarin, *Citrus deliciosa* Ten,
- Mount White lime, *Microcitrus garrowayae* (F.M. Bailey) Swingle,
- New Guinea wild lime, *Microcitrus warburgiana* (F.M. Bailey) Tanaka,
- Orange, sour, *Citrus aurantium* L,
- Orange, sweet, *Citrus sinensis* (L.) Osbeck,
- Pummelo, *Citrus maxima* (Burm.) Merr,
- Russell River lime, *Microcitrus inodora* (F.M. Bailey) Swingle,
- Satsuma mandarin, *Citrus unshiu* Marcow

It is critical that the grower follow a strict control program involving monitoring for diseased plants, using integrated pest management to control the vector, Asian citrus psyllid (*Diaphorina citri* Kuwayama or ACP). Monitor treated bacterial populations for loss in field efficacy.

MIXING DIRECTIONS

Buffering the Water: Use muriatic acid to buffer the water down to a pH range of 1.8 to 2.0.

Add OTC-HCl: To the buffered solution, add ReMedium TI® to the recommended concentration and agitate until all product is dissolved. The recommended doses are:

- Bearing Citrus-Good Tree Health: 11.0 grams ReMedium TI®/Liter (11,000 ppm)
- Bearing Citrus-Poor Tree Health: 5.5 grams ReMedium TI®/Liter (5,500 ppm)
- Non-Bearing Citrus – 1.1 grams ReMedium TI®/Liter (1,100 ppm)
- Refer to injection charts for volume to inject per inch trunk diameter

INJECTION DIRECTIONS

Equipment: TJ BioTech's FlexInject® injection device must be utilized with ReMedium TI® to allow for pressurized uptake of ReMedium TI® into the tree. Based on trunk diameter, use the recommended 13/64" drill bit or 17/64" drill bit. Then insert the FlexInject® injection device.

Fill Injection Device: Follow all manufacturer's instructions on filling the injection device.

Timing of Applications: Make applications immediately following harvest. Avoid applications in the summer months (June, July, and August). **Pre-harvest Interval (PHI):** 180 days.

Drill Hole in Tree: Follow all instructions for the FlexInject® injection device for drilling tree. Drill hole into the rootstock, several inches above the soil surface.

- small tip FlexInject® (13/64" drill bit): drill 1/2" deep hole
- large tip FlexInject® (17/64" drill bit): drill 1" deep hole

Connecting to the Tree: Insert injector tip past the second barb, rotating to ensure a sealed fitting. Open valve. **DO NOT** remove FlexInject® until it has drained completely.

Measuring Trunk Diameter: The amount of solution per tree is based on trunk diameter. Measure the trunk diameter 2" to 6" above the bud union, above the taper from the rootstock bench but below the flair-out where the branches begin to fork.

Application: Inject the volume of solution per the **Rate Table**. **DO NOT** exceed the application rates listed in the rate table.

Bearing Citrus (11,000 ppm or 5,500 ppm Solution)

Trunk Diameter (Inches)	Volume of Solution to Inject	Oxytetracycline Equivalent (lbs)	
		11,000 ppm	5,500 ppm
2.125" - 3"	25 mL	0.0005	0.0003
3" - 4.25"	50 mL	0.0011	0.0005
4.25" - 6"	100 mL	0.0021	0.0011
> 6"	150 mL	0.0032	0.0016

For Bearing Citrus, make one application per growing season, preferably after crop harvest.

Non-Bearing Citrus (1,100 ppm Solution)

Trunk Diameter (Inches)	Volume of Solution to Inject	Oxytetracycline Equivalent (lbs) (1,100 ppm)
<1.25"	Too small: Do not inject	N/A
1.25" - 1.75"	25 mL	0.00005
1.75" - 2.125"	50 mL	0.00011

For Non-Bearing Citrus, make up to two applications throughout the growing season, spaced at least 4 months apart.

Future Injections in the Same Tree

Future injections in the same tree are applied into new holes placed intermediate to the old injection sites. Drill new sites either above or below (by 2" vertically) to the old sites and 2 to 3" horizontally from them. Applied correctly, this will form a triangular pattern with the old sites.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

Pesticide Storage: Keep tightly closed and sealed. This product is moisture, temperature and light sensitive. Product is hygroscopic so protect from moisture. Store in a cool (<77°F, 25°C), dry place away from heat and open flames with minimum exposure to the atmosphere. Avoid extremes in temperature.

Pesticide Disposal: Wastes resulting from use of this product must be disposed of at an approved waste disposal facility.

Container Handling: Non-refillable Container. **DO NOT** reuse or refill this container. This is a 5.82 oz (165 g) container. Completely empty pouch by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Offer for recycling if available or dispose of in a sanitary landfill or by incineration if allowed by state and local authorities, burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties, and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of TJ BioTech, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, TJ BioTech, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of TJ BioTech, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, TJ BioTech, LLC disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at TJ BioTech, LLC's election, the replacement of product.

ReMedium T1® is a registered trademark of TJ BioTech, LLC.

FlexInject® is a trademark of TJ BioTech, LLC. www.TJBioTechllc.com

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