

FIFRA Section 24(c) Special Local Need Label



FOR DISTRIBUTION AND USE ONLY IN THE STATE OF TEXAS

This special local need label expires on 12/31/2030, and must not be used or distributed after this date.

This labeling must be in the possession of the user at the time of the pesticide application.

Rectify™ is a systemic injectable bactericide for the control of *Candidatus Liberibacter asiaticus* (CLas) or suppression of Huanglongbing (HLB, Citrus Greening) for Citrus Group 10-10.

OXYTETRACYCLINE GROUP

41

FUNGICIDE/BACTERICIDE

Active Ingredient:

Oxytetracycline Hydrochloride* 95.0%

• Other Ingredients 5.0%

Total 100.0%

*Equivalent to minimum 88.0% Oxytetracycline

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.)

Sec 24(c) Registrant:
AgroSource, Inc.
PO Box 3091
Tequesta, FL 33469

EPA SLN TX-250006
Expires 12/31/2030
Net Contents:
2.75 lbs. (1248 grams)

EPA Est. No. 65387-AR-2

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.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have the 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.
- Call a poison control center or a doctor for future medical advice.

HOT LINE NUMBER

Have the product container with you when calling a poison control center or doctor or going for treatment. You may contact the American Association of Poison Control Centers at 1-800-222-1222 for emergency medical treatment information. You may also contact InfoTrac at 1-800-535-5053 for emergency medical treatment information.

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

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Causes moderate eye irritation. **DO NOT** get in eyes or on clothing. Wear goggles. 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. 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 and Loaders (Injection Device Fillers) must wear a minimum of:

- Protective eyewear (goggles, safety glasses, or face shield)
- Shoes and socks
- Chemical resistant gloves
- Coveralls over short sleeved shirt and short pants
- 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 shirt and pants

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

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:

- 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/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

Rectify™ contains the bactericide 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”, in Citrus (Crop Group 10-10).

For resistance management, please note that Rectify™ contains a Group 41 Fungicide/Bactericide. Any fungal/bacterial population may contain individuals resistant to Rectify™ and other Group 41 fungicides/bactericides. A gradual loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- The mode of action for oxytetracycline is the inhibition of protein synthesis. This product should be used to treat or prevent infections that are proven or strongly suspected to be caused by the indicated target bacteria. To reduce likelihood of bacteria developing resistance to oxytetracycline, follow the crop specific resistance management and use direction information present on this label. Use of this product should conform to resistance management practices/strategies established for the crop and use area (for example the use of IPM, disease forecasting models, resistant crop varieties, etc.) Consult AgroSource, your local extension/crop consultant or state agricultural authority if reduced efficacy is suspected.
- Where possible, make use of predictive disease models to effectively time applications.
- Use only the labeled concentrations and application rates.
- To delay fungicide/bactericide resistance, DO NOT use Rectify™ more than two years in a row.
- Adopt an integrated disease management program that includes scouting, uses historical information related to pesticide use and impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological, and other chemical control practices.
- When feasible, Rectify™ should be alternated with a bactericide with a different mode of action such as FireWall™ 50 WP.
- Base use on a comprehensive IPM program.
- Monitor treated bacterial/fungal populations for loss of field efficacy
- Contact AgroSource, your local extension specialist, certified crop advisors, and/or manufacturer for fungicide/bactericide resistance management and/or IPM recommendations for specific crops and resistant pathogens.
- For further information or to report suspected resistance contact AgroSource, Inc. at info@agrosources.net.

DIRECTIONS FOR USE

It is a violation of State and 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. **This labeling must be in the possession of the user at the time of the pesticide application.**

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

RESTRICTIONS

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift or dust. Only protected handlers may be present 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.
- **DO NOT** use Rectify™ for foliar or aerial application.
- **DO NOT** apply Rectify™ for more than two consecutive years before alternating with another fungicide/bactericide of a different mode of action such as FireWall™ 50 WP.
- **DO NOT** apply this product through any type of irrigation system, including chemigation.
- Use only the label application rates.
- **DO NOT** apply more than 5.04 fl. oz. (150ml) of this product's solution per tree per application.

- **DO NOT** treat more than one time per year for bearing citrus and twice per year for non-bearing citrus.
- **DO NOT** apply a foliar Oxytetracycline-HCl or Calcium Oxytetracycline Complex fungicide/bactericide during the same cropping year when injections have been made.

Rectify™ is a systemic injectable bactericide 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 microcarpa* (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,
- 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,
- Sweet lime, *Citrus limetta* Risso,
- Tachibana orange, *Citrus tachibana* (Makino) Tanaka,
- Tahiti lime, *Citrus latifolia* (Yu. Tanaka) Tanaka,
- Tangelo, *Citrus x tangelo* J.W. Ingram & H.E. Moore,
- Tangerine (Mandarin), *Citrus reticulata* Blanco,
- Tangor, *Citrus nobilis* Lour,
- Trifoliate orange, *Poncirus trifoliata* (L.) Raf,
- Uniq fruit, *Citrus aurantium* Tangelo group,
- Cultivars, varieties and/or hybrids of these.

Timing of Applications: Make all applications preferably following harvest. Avoid applications in the summer months (June, July, August).

Pre-Harvest Interval: 180 days.

APPLICATION METHODS

Rectify™ is designed for use with injection devices. Read and carefully follow all manufacturer use directions. Injection devices may require an hour or more to empty into the tree, however, some may take longer to empty depending on the health of the treated tree and local weather conditions. Do not leave the injection devices unattended. Do not leave empty injection devices in tree. Promptly and safely remove them according to manufacturer's directions. Follow the manufacturer's directions for proper cleaning and storage of injection device.

MIXING DIRECTIONS

- 1. Measure Water:** Measure water to create desired batch size.
- 2. Buffering the Water:** Use muriatic acid to buffer water down to a pH range of 1.8 to 2.0. Check buffered water pH with a calibrated pH meter prior to addition of Rectify™.
- 3. Add Rectify™:** To the buffered solution, add calculated amount of Rectify™ to achieve the recommended concentration and agitate until all product is dissolved. The recommended concentrations are:

Tree Health & Size	Quantity of Rectify™	Volume Solution per 2.75 lb. (1248-gram) package Rectify™
Bearing citrus good tree health (>75% leaf canopy)	1.46 oz Rectify™/Gallon (11,000 ppm)	30 gallons
Bearing citrus poor tree health (≤75% leaf canopy)	0.73 oz Rectify™/Gallon (5,500 ppm)	60 gallons
Non-bearing citrus	0.14 oz Rectify™/Gallon (1,100 ppm)	300 gallons

Refer to Rate Table for volume to inject per tree.

INJECTION DIRECTIONS

- 1. 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 branches begin to fork.

2. Fill Injection Device: When using injection devices, follow all manufacturer's instructions for filling the injection device. Injection devices may be filled volumetrically using a syringe or using a calibrated injection device filling machine. If using a filling machine, calibrate the filling machine volumetrically using an injection device and ensure accuracy. All calibrated filling machines must have a functioning backflow or check valve. All connections to the injection device must be secure. Inject the volume of solution per the Rate Table. Fill injection device and close valve. **DO NOT** exceed the application rates listed in the Rate Table.

3. Drill Hole in Tree: Drill hole into the rootstock, several inches above the soil surface.

Non-Bearing Citrus: Small Tip (13/64" drill bit): drill ½" deep hole

Bearing Citrus: Large Tip (17/64" drill bit): drill 1" deep hole

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

5. 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.

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

Trunk Diameter (Inches)	Volume of Solution to Inject
2.125" - 3"	0.84 fl oz (25 mL)
3" - 4.25"	1.68 fl oz (50 mL)
4.25" - 6"	3.36 fl oz (100 mL)
> 6"	5.04 fl oz (150 mL)

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
<1.25"	Too small: Do not inject
1.25" - 1.75"	0.84 fl oz (25 mL)
1.75" - 2.125"	1.68 fl oz (50 mL)

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

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. 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, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE, WARRANTY AND DISCLAIMER OF WARRANTIES, AND AGREEMENT TO LIMIT LIABILITY AND REMEDIES.

IMPORTANT: READ BEFORE OPENING CONTAINER AND BEFORE USE.

Read the Conditions for Sale and Use, Directions for Use, Disclaimer of Warranties, and Limitations of Liability and Remedies before opening or using this product. If terms are not acceptable, return the unopened product container at once. By using this product, buyer and user agree to and accept the following Conditions, Disclaimers, and Limitations.

CONDITIONS OF SALE AND USE: The Directions for Use of this product are believed to be adequate and must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of many factors, including the manner of use or application, weather or crop conditions, presence of other materials, resistant strains or other influencing factors in the use of the product, all of which are beyond the control of AGROSOURCE, INC. ("AGROSOURCE") or seller. To the extent consistent with applicable law, all such

risks shall be assumed by buyer and user, and buyer and user agree to hold AGROSOURCE and seller harmless for any claims relating to such factors. AGROSOURCE and seller offer this product, and buyer and user accept it, subject to the Conditions of Sale, Disclaimer of Warranties and Limitations of Liability and Remedies on this label, which may not be modified except by written agreement signed by a duly authorized representative of AGROSOURCE.

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