



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 20, 2019

Danielle A. Larochelle
Regulatory Manager
Nufarm Americas Inc.
4020 Aerial Center Parkway, Suite 101
Morrisville, NC 27560

Subject: PRIA Label Amendment – Oxytetracycline- Time-limited Uses on Citrus Crop Group 10-10 expiring 12/4/2025. Master and Supplemental labels.
Product Name: Mycoshield
EPA Registration Number: 55146-97
Application Date: September 23, 2016
Decision Number: 521886

Dear Ms. LaRochelle:

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA sec 3(c)(5) for a limited period of time. The citrus uses being granted in this amendment will automatically expire 12/4/2025. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The following terms apply:

- 1) Resistance Management Plan implementation (e.g. education/training and stewardship plan). A yearly summary report describing the Resistance Management Plan implementation details must be submitted to the Registration Division by December 31st of each year for confirmatory purposes.
- 2) Annual sales reports listed by state, submitted by Nufarm Americas, Inc. to the Registration Division by December 31st of each year
- 3) Monitoring requirement
 - a. You must submit protocol submissions describing how you plan to monitor both soil and citrus foliage for incidences of antibiotic resistance on a yearly basis for 3 years of this new use amendment on Citrus Crop Group 10-10. The protocol submission to the Registration Division must be made 3 months prior to each use season to allow for Agency review prior to start of monitoring. The first protocol submission is due by September 30, 2019.
 - b. Annual monitoring report submissions by December 31st of each year starting in 2019.
- 4) One year prior to expiration, if you choose to seek an extension or remove the time limitation for the Citrus Crop Group 10-10 use, you are required to submit an application for amendment along with a revised assessment on the development of oxytetracycline

resistance in human pathogens addressing release, exposure, consequence assessments and overall risk estimation with regard to public health effects resulting from cumulative usage of oxytetracycline on all citrus crops in all states where it is registered and used. The Agency will consult with the federal partners to reevaluate the current risk picture for oxytetracycline prior to extending or removing the time limitation on citrus, or allowing the use to expire.

- 5) If the Agency determines it will not be able to grant an extension or remove the time-limitation, the Agency will notify you by 2 months prior to the use expiring. Upon notification, you must submit revised labeling with the Citrus Crop Group 10-10 use removed by 1 month prior to expiration.
- 6) You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

A stamped copy of your labeling is enclosed for your records. The master labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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.

Your release for shipment of the product constitutes acceptance of these terms. If you have any questions, please contact Hope Johnson by phone at 703-305-5410, or via email at johnson.hope@epa.gov.

Sincerely,



Cynthia Giles-Parker, Chief
Fungicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure stamped "accepted" label

OXYTETRACYCLINE	GROUP	41	FUNGICIDE
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Mycoshield®

Agricultural Antibiotic/Bactericide

FOR THE CONTROL OF LISTED DISEASES ON APPLE,
CITRUS FRUIT CROP GROUP 10-10, NECTARINE, PEACH, AND PEAR

ACTIVE INGREDIENT:

Calcium Oxytetracycline † 17.7%

OTHER INGREDIENTS: 82.3%

TOTAL: 100.0%

† Equivalent to 17% Oxytetracycline

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

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.)

SEE [INSIDE BOOKLET FOR] [FIRST AID AND] PRECAUTIONARY STATEMENTS [AND DIRECTIONS FOR USE] [ON BACK OF BAG]

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 55146-97

Manufactured For
NUFARM AMERICAS INC.
AGT DIVISION
11901 S. Austin Ave
Alsip, IL 60803



EPA Est. No. _____

ACCEPTED

Jun 20, 2019

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 55146-97

NET WEIGHT:

[Grow a better tomorrow.]

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • 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 by the poison control center or doctor. • Do not give anything to an unconscious person.
HOTLINE 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 (877) 325-1840 for emergency medical treatment information.	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING / AVISO**

Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not breathe dust or spray mist. This material is not to be used for medical, veterinary or human purposes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All applicators and other handlers must wear a minimum of:

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

Applicators must also wear:

- Chemical-resistant headgear ensuring full coverage of the neck.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

Applicators do not have to wear the protective eyewear, chemical-resistant gloves, chemical-resistant headgear, or a respirator when using closed cab systems that meet the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(e)].

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.607(d) and (e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS
<p>Users Should:</p> <ul style="list-style-type: none"> • 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, 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.

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 requirements 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 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 only 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.

PPE required 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 is:

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

RESISTANCE MANAGEMENT

Mycosshield contains oxytetracycline, a Group 41 antibiotic/bactericide/fungicide. Bacterial strains/fungal isolates with acquired resistance to Group 41 may eventually dominate the bacterial/fungal population if Group 41 bactericides/fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Mycosshield or other Group 41 products.

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

- Use only the specified and full strength application rates.
- 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 labeling. 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 your local extension/crop consultant or state agricultural authority if reduced efficacy is suspected.
- Adopt an integrated disease management program that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time applications.
- Avoid the consecutive use of Mycosshield or other target site of action Group 41 products that have a similar target site of action, on the same pathogens.
- Use tank-mixtures or premixes with products from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern. Do not use any product that has a prohibition on tank mixing and follow the more restrictive use directions.
- When feasible, Mycosshield should be alternated with a comparable bactericide with a different mode of action.
- Base use on a comprehensive IPM program.
- Monitor treated bacterial/fungal populations for loss of field efficacy.
- Contact 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 Nufarm Americas Inc. at (855) 280-6609.

SPRAY DRIFT PRECAUTION - ALL USES

- To help reduce off-target drift, direct spray into the canopy, and turn off outward pointing nozzles at row ends and when spraying outer rows.

APPLICATION RESTRICTIONS – ALL USES

- Not to be used for medical, veterinary, or human purposes.
- Not for residential use.
- Animal grazing in treated areas is prohibited. The public must be notified by posting restriction signs along the perimeter of the treatment area.
- Do not apply oxytetracycline in orchards in which the soil has been fertilized with animal waste/manure or human biosolids.
- 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 and full-strength application rates.

APPLICATION INFORMATION

For best results, apply this product using an airblast sprayer with enough water to provide full coverage. Thorough coverage is essential.

MIXING DIRECTIONS

To avoid possible pesticide contamination, use only clean metal or plastic containers in preparing all solutions.

DILUTION TABLE

CONCENTRATION DESIRED	QUANTITY OF MYCOSHIELD PER VOLUME OF WATER (lb of oxytetracycline free base)				
	50 gal	100 gal	150 gal	200 gal	500 gal
ppm*					
150	6 oz (0.06)	12 oz (0.13)	18 oz (1 1/8 lb) (0.19)	24 oz (1 1/2 lb) (0.255)	3 3/4 lb (0.64)
200	8 oz (1/2 lb) (0.09)	16 oz (1 lb) (0.17)	24 oz (1 1/2 lb) (0.255)	2 lb (0.34)	5 lb (0.85)

*ppm = parts per million oxytetracycline free base in prepared solution.

CROP USE DIRECTIONS

CITRUS FRUIT, CROP GROUP 10-10

Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliate orange; uni-q fruit; cultivars, varieties, and/or hybrids of these

DISEASE	PRODUCT USE RATE PER ACRE	APPLICATION INSTRUCTIONS
<p>Huanglongbing (HLB) <i>(Candidatus Liberibacter asiaticus</i> or CLAs)</p> <p>Also known as “citrus greening” or “greening disease”</p> <p>(Suppression of foliar infections)</p>	<p>1.5 lb (equivalent to 0.255 lb oxytetracycline free base)</p>	<p>Apply as a foliar spray using sufficient carrier volume to ensure complete coverage. Use with spray adjuvant, spreader sticking agent, or horticultural oil.</p> <p><u>Make first application</u> at initiation of spring flush to suppress HLB titer and disease symptoms.</p> <p><u>Make a second application</u> mid-summer (not less than 21 days after first application).</p> <p><u>Make a third application</u> in late summer to reduce the incidence of HLB-induced fruit drop and to further suppress HLB titer and disease symptoms (not less than 21 days after second application).</p>
<p>Citrus Canker <i>(Xanthomonas citri</i> pv. <i>citri</i>)</p>	<p>1.5 lb (equivalent to 0.255 lb oxytetracycline free base)</p>	<p>Apply as a foliar spray using sufficient carrier volume to ensure complete coverage. Use with spray adjuvant, spreader sticking agent, or horticultural oil.</p> <p><u>Make first application</u> when spring flush is approximately 75% expanded to protect new growth from canker infection.</p> <p><u>Make a second application</u> in summer when weather conditions warrant during periods of high citrus canker risk (not less than 21 days after first application).</p> <p><u>Make a third application</u> in late summer to reduce the incidence of canker-induced fruit drop (not less than 21 days after first application).</p>
<p>RESTRICTIONS</p> <ul style="list-style-type: none"> • Do not apply more than 1.5 lb of product (0.255 lb oxytetracycline free base) per acre per application. • Do not apply more than 4.5 lb of product (0.77 lb oxytetracycline free base) per acre per year. • Maximum number of applications per year: 3 • Minimum retreatment interval: 21 days • Do not apply within 40 days of harvest. • Use only the full-strength application rate. • Follow Application Restrictions – All Uses. 		

APPLES

Use of predictive models for fire blight threshold treatment conditions will minimize the number of applications of this product. Thorough spray coverage is essential.

DISEASE	CONCENTRATION / USE RATE PER ACRE	APPLICATION INSTRUCTIONS
Fire Blight (<i>Erwina amylovora</i>)	200 ppm* Equivalent to: 1.5 lb Mycoshield / 150 gal water (0.255 lb oxytetracycline free base/150 gal water) (Refer to Dilution Table)	Apply by ground application only using airblast sprayer. Ensure good coverage of plant parts. Apply beginning with 10% bloom. Repeat applications at 3 to 6 day intervals or apply when blight favorable weather is expected during apple bloom.

RESTRICTIONS

Do not apply more than 1.5 lb of product (0.255 lb oxytetracycline free base) per acre per application.
Do not apply more than 9 lb of product (1.53 lb oxytetracycline free base) per acre per year.
Do not exceed a total of 6 applications per year.
Do not apply within 60 days of harvest.
Use only the full-strength application rate.
Follow Application Restrictions – All Uses.

* ppm = parts per million oxytetracycline free base in prepared solution

PEARS

Use of predictive models for fire blight threshold treatment conditions will minimize the number of applications of this product. Thorough spray coverage is essential.

DISEASE	CONCENTRATION / USE RATE PER ACRE	APPLICATION INSTRUCTIONS
Fire Blight (<i>Erwina amylovora</i>)	200 ppm* Equivalent to: 1.0 lb Mycoshield / 100 gal water (0.17 lb oxytetracycline free base/100 gal water) (Refer to Dilution Table)	Apply by ground application only using airblast sprayer. Ensure good coverage of plant parts. Apply beginning with 10% bloom. Repeat applications at 4 to 6 day intervals.

RESTRICTIONS

Do not apply more than 1.0 lb of product (0.17 lb oxytetracycline free base) per acre per application.
Do not apply more than 10 lb of product (1.7 lb oxytetracycline free base) per acre per year.
Do not exceed a total of 10 applications per year.
Do not apply within 60 days of harvest.
Use only the full-strength application rate.
Follow Application Restrictions – All Uses.

NOTE: Use of this product may cause phytotoxicity to the fruit and/or foliage of sensitive pear varieties, especially Asian varieties.

* ppm = parts per million oxytetracycline free base in prepared solution

PEACHES and NECTARINES

DISEASE	CONCENTRATION / USE RATE PER ACRE	APPLICATION INSTRUCTIONS
Bacterial Spot (<i>Xanthomonas campestris</i> <i>pv. pruni</i>)	150 ppm* Equivalent to 1.5 lb Mycoshield /200 gal water (0.255 lb oxytetracycline free base/200 gal water) (Refer to Dilution Table)	Apply a 150 ppm solution (equivalent to 6 oz Mycoshield/50 gal, 12 oz Mycoshield/100 gallons, or 24 oz Mycoshield/200 gal). Vary the total volume of solution per acre from 50 to 200 gallons depending on the size and foliar development of the trees. Smaller, less dense trees will require a lower volume and larger, more dense trees will require a higher volume of spray to obtain coverage just prior to the point of runoff. Do not allow runoff to occur. Apply at 7 day intervals beginning at petal fall (<5% shuck split) through first cover. After first cover, application interval can be extended to 7 to 10 days depending on weather conditions. Use a pressure sprayer capable of delivering the spray at a minimum of 250 lb pressure per square inch through a hand-held single nozzle gun, or 150 lb pressure per square inch using an airblast sprayer. For best results with airblast sprayer, do not exceed 3 miles per hour ground speed.

RESTRICTIONS

Do not apply within 21 days of harvest.
Do not apply more than 1.5 lb of product (0.255 lb oxytetracycline free base) per acre per application.
Do not apply more than 12 lb of product (2.04 lb oxytetracycline free base) per acre per year.
Do not exceed a total of 8 applications per year.
Use only the full-strength application rate.
Follow Application Restrictions – All Uses.

*ppm = parts per million oxytetracycline free base in prepared solution

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative of the nearest EPA Regional Office for guidance. Open dumping is prohibited.

CONTAINER HANDLING:

[Nonrefillable Containers 50 lb or Less]

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers are also disposable by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

[Nonrefillable Containers larger than 50 lb]

Nonrefillable container. Do not reuse or refill this container. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers are also disposable by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

[Bags:] Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling, if available, or dispose of liner in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations of liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV061919)

Mycoshield is a trademark of Nufarm Americas Inc.

All other trademarks are the property of their respective owners.

BATCH CODE: _____



Supplemental Label

Mycoshield® Agricultural Antibiotic/Bactericide

ACCEPTED
Jun 20, 2019
Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 55146-97

EPA Reg. No.: 55146-97

OXYTETRACYCLINE	GROUP	41	FUNGICIDE
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This supplemental label expires June 28, 2020, and must not be used or distributed after this date

SUPPLEMENTAL LABEL TO ADD DIRECTIONS FOR USE

Use on Citrus Fruit Crop Group 10-10
for Suppression of Huanglongbing (HLB) and Citrus Canker

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR MYCOSHIELD BEFORE APPLYING. CAREFULLY FOLLOW ALL PRECAUTIONS, LIMITATIONS, AND APPLICABLE USE DIRECTIONS.

ACTIVE INGREDIENT:

Calcium Oxytetracycline † 17.7%

OTHER INGREDIENTS: 82.3%

TOTAL: 100.0%

† Equivalent to 17% Oxytetracycline

KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

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.)

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

PRECAUTIONARY STATEMENTS

The following PPE information supersedes the PPE on the label affixed to the container.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All applicators and other handlers must wear a minimum of:

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

Applicators must also wear:

- Chemical-resistant headgear ensuring full coverage of the neck.

PERSONAL PROTECTIVE EQUIPMENT (PPE) (Continued)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow 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.

Applicators do not have to wear the protective eyewear, chemical-resistant gloves, chemical-resistant headgear, or a respirator when using closed cab systems that meet the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(e)].

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.607(d) and (e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

DIRECTIONS FOR USE

RESISTANCE MANAGEMENT

Mycoshield contains oxytetracycline, a Group 41 antibiotic/bactericide/fungicide. Bacterial strains/fungal isolates with acquired resistance to Group 41 may eventually dominate the bacterial/fungal population if Group 41 bactericides/fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Mycoshield or other Group 41 products.

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

- Use only the specified and full strength application rates.
- 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 labeling. 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 your local extension/crop consultant or state agricultural authority if reduced efficacy is suspected.
- Adopt an integrated disease management program that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time applications.
- Avoid the consecutive use of Mycoshield or other target site of action Group 41 products that have a similar target site of action, on the same pathogens.
- Use tank-mixtures or premixes with products from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern. Do not use any product that has a prohibition on tank mixing and follow the more restrictive use directions.
- When feasible, Mycoshield should be alternated with a comparable bactericide with a different mode of action.
- Base use on a comprehensive IPM program.
- Monitor treated bacterial/fungal populations for loss of field efficacy.
- Contact 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 Nufarm Americas Inc. at (855) 280-6609.

SPRAY DRIFT PRECAUTION - ALL USES

- To help reduce off-target drift, direct spray into the canopy, and turn off outward pointing nozzles at row ends and when spraying outer rows.

APPLICATION RESTRICTIONS – ALL USES

- Not to be used for medical, veterinary, or human purposes.
- Not for residential use.
- Animal grazing in treated areas is prohibited. The public must be notified by posting restriction signs along the perimeter of the treatment area.
- Do not apply oxytetracycline in orchards in which the soil has been fertilized with animal waste/manure or human biosolids.
- 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 and full-strength application rates

APPLICATION INFORMATION

For best results, apply this product using an airblast sprayer with enough water to provide full coverage. Thorough coverage is essential.

CROP USE DIRECTIONS

CITRUS FRUIT, CROP GROUP 10-10

Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliolate orange; uniq fruit; cultivars, varieties, and/or hybrids of these

DISEASE	PRODUCT USE RATE PER ACRE	APPLICATION INSTRUCTIONS
<p>Huanglongbing (HLB) <i>(Candidatus Liberibacter asiaticus</i> or CLAs)</p> <p>Also known as “citrus greening” or “greening disease”</p> <p>(Suppression of foliar infections)</p>	<p>1.5 lb (equivalent to 0.255 lb oxytetracycline free base)</p>	<p>Apply as a foliar spray using sufficient carrier volume to ensure complete coverage. Use with spray adjuvant, spreader sticking agent, or horticultural oil.</p> <p><u>Make first application</u> at initiation of spring flush to suppress HLB titer and disease symptoms.</p> <p><u>Make a second application</u> mid-summer (not less than 21 days after first application).</p> <p><u>Make a third application</u> in late summer to reduce the incidence of HLB-induced fruit drop and to further suppress HLB titer and disease symptoms (not less than 21 days after second application).</p>
<p>Citrus Canker <i>(Xanthomonas citri</i> pv. <i>citri</i>)</p>	<p>1.5 lb (equivalent to 0.255 lb oxytetracycline free base)</p>	<p>Apply as a foliar spray using sufficient carrier volume to ensure complete coverage. Use with spray adjuvant, spreader sticking agent, or horticultural oil.</p> <p><u>Make first application</u> when spring flush is approximately 75% expanded to protect new growth from canker infection.</p> <p><u>Make a second application</u> in summer when weather conditions warrant during periods of high citrus canker risk (not less than 21 days after first application).</p> <p><u>Make a third application</u> in late summer to reduce the incidence of canker-induced fruit drop (not less than 21 days after first application).</p>

RESTRICTIONS

- Do not apply more than 1.5 lb of product (0.255 lb oxytetracycline free base) per acre per application.
- Do not apply more than 4.5 lb of product (0.77 lb oxytetracycline free base) per acre per year.
- Maximum number of applications per year: 3
- Minimum retreatment interval: 21 days
- Do not apply within 40 days of harvest.
- Use only the full-strength application rate.
- Follow Application Restrictions – All Uses.

NOTICE

Read the "WARRANTY DISCLAIMER" and "LIMITATION OF LIABILITY" in the label booklet for this product before using this product. Those terms apply to this supplemental labeling and if those terms are not acceptable, return the product unopened at once.

**Manufactured For NUFARM AMERICAS INC. AGT DIVISION
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