



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

55146-164

Date of Issuance:

6/9/20

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Mycoshield 34 WP

Name and Address of Registrant (include ZIP Code):

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

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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. 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.
2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 55146-164."
 - Add an appropriate EPA Establishment Number and Net Contents information.

Signature of Approving Official:

Hope Johnson, Product Manager 21
Fungicide Branch, Registration Division (7505P)
Registration Division (7505P)

Date:

6/9/20

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 4/22/2020

If you have any questions, please contact Heather A. Garvie by phone at 703-308-0034, or via email at garvie.heather@epa.gov

Enclosure

OXYTETRACYCLINE	GROUP	41	FUNGICIDE
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Mycoshield[®] 34 WP

Agricultural Antibiotic/Bactericide

FOR THE CONTROL OF LISTED DISEASES ON APPLE, NECTARINE, PEACH, AND PEAR

ACTIVE INGREDIENT:

Calcium Oxytetracycline † 35.4%

OTHER INGREDIENTS: 64.6%

TOTAL: 100.0%

† Equivalent to 34% Oxytetracycline

KEEP OUT OF REACH OF CHILDREN

CAUTION

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-XXX

EPA Est. No. _____

Manufactured for
Nufarm Americas Inc.
AGT Division
11901 S. Austin Ave
Alsip, IL 60803



ACCEPTED

Jun 09, 2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 55146-164

NET WEIGHT:

[Grow a better tomorrow.]

FIRST AID

IF IN EYES

- 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

- 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.

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 CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. 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

Users 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.
- 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 internal. 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 made of any waterproof material
- Shoes plus socks
- Protective eyewear (goggles, safety glasses or face shield)

RESISTANCE MANAGEMENT

Mycoshield 34 WP 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 34 WP 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 34 WP 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 34 WP 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.
- 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 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 34 WP PER VOLUME OF WATER (lb of oxytetracycline free base)				
	50 gal	100 gal	150 gal	200 gal	500 gal
ppm*					
150	3 oz (0.06)	6 oz (0.13)	9 oz (0.19)	12 oz (0.75 lb) (0.255)	1.88 lb (0.64)
200	4 oz (0.09)	8 oz (0.5 lb) (0.17)	12 oz (0.75 lb) (0.255)	1 lb (0.34)	2.5 lb (0.85)

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

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>Erwinia amylovora</i>)	200 ppm* Equivalent to: 0.75 lb Mycoshield 34 WP / 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 0.75 lb of product (0.255 lb oxytetracycline free base) per acre per application.
Do not apply more than 4.5 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>Erwinia amylovora</i>)	200 ppm* Equivalent to: 0.5 lb Mycoshield 34 WP / 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 0.5 lb of product (0.17 lb oxytetracycline free base) per acre per application.

Do not apply more than 5.0 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 pv. pruni</i>)	150 ppm* Equivalent to 0.75 lb Mycoshield 34 WP / 200 gal water (0.255 lb oxytetracycline free base/200 gal water) (Refer to Dilution Table)	Apply a 150 ppm solution (equivalent to 3 oz Mycoshield 34 WP/50 gal, 6 oz Mycoshield 34 WP/100 gal, or 12 oz Mycoshield 34 WP/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 more than 0.75 lb of product (0.255 lb oxytetracycline free base) per acre per application.

Do not apply more than 6.0 lb of product (2.04 lb oxytetracycline free base) per acre per year.

Do not exceed a total of 8 applications per year.

Do not apply within 21 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

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.

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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.

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