



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

April 13, 2023

E. David Lewis,  
Agent for Nissan Chemical Corporation  
Nissan Chemical corporation  
5-1 Nihonbashi 2-chome  
Chuo-ku, Tokyo 103-6119, Japan

Subject: PRIA Label Amendment – Revised application rate and interval for cherries  
Product Name: Quintec®  
EPA Registration Number: 33906-26  
Application Date: 06/23/2022  
Decision Number: 585455

Dear E. David Lewis:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one 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 FIFRA 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) lists 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.

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Decision No. 585455

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Senedu Alemu via email at [alemu.senedu@epa.gov](mailto:alemu.senedu@epa.gov).

Sincerely,



Nathan Mellor, Product Manager 21  
Fungicide Branch  
Registration Division (7505T)  
Office of Pesticide Programs

Enclosure

(Base label):

QUINOXYFEN	GROUP	13	FUNGICIDE
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# Quintec®

## FUNGICIDE

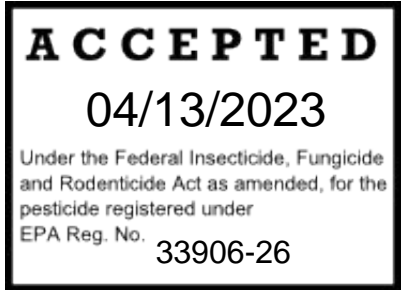
**A protectant fungicide for the control of powdery mildew in artichoke, gourds, lettuce, melons, pepper, pumpkin, stone fruits, strawberry, tomato, winter squash, cherry, grapes, and hops.**

**Active Ingredient:**

quinoxyfen: 5,7-dichloro-4-(p-fluorophenoxy) quinoline.....22.58%

**Other Ingredients:**.....77.42%

**Total:** .....100.00%



Contains 2.08 lbs. of active ingredient per gallon.

**Keep Out of Reach of Children**

## CAUTION

FIRST AID	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-982-1215 for emergency medical treatment information.	

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

## CAUTION

**Harmful If Swallowed • Harmful If Absorbed Through Skin**

**Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.**

#### Personal Protective Equipment (PPE)

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks

#### User Safety Requirements

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

## User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use an enclosed cab that meets the definition listed in the WPS for agricultural pesticides [40 CFR 170.305].

## Environmental Hazards

This product is toxic to fish and aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** apply when weather conditions favor runoff or drift from the target area. **DO NOT** contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.

This product may contaminate water through drift of spray in wind. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

## Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

*(Note to Reviewer: Storage and Disposal for rigid containers 5 gal or less)*

### Storage and Disposal

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

**Pesticide Storage:** Avoid freezing. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

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

**Container Handling:** Nonrefillable container. **DO NOT** reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**(Note to Reviewer: Storage and Disposal for refillable rigid containers larger than 5 gal)**

### **Storage and Disposal**

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

**Pesticide Storage:** Avoid freezing. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

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

**Container Handling:** Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**(Note to Reviewer: Storage and Disposal for nonrefillable rigid containers larger than 5 gal)**

### **Storage and Disposal**

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

**Pesticide Storage:** Avoid freezing. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

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

**Container Handling:** Nonrefillable container. **DO NOT** reuse or refill this container.

Triple rinse or pressure 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 1/4 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. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**Refer to label booklet for Directions for Use.**

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-982-1215.

Agricultural Chemical: **DO NOT** ship or store with food, feeds, drugs, or clothing.

EPA Reg. No. 33906-26

EPA. Est. \_\_\_\_\_

®Trademark of Nissan Chemical Corporation

**Produced for**

**Nissan Chemical Corporation**

**5-1, Nihonbashi 2-chome, Chuo-ku, Tokyo 103-6119, Japan**

**Or contact: Nissan Chemical America Corporation**

**10333 Richmond Avenue, Suite 1100, Houston, TX 77042**

**NET CONTENTS \_\_\_\_\_**

(Cover, shipping container)

QUINOXYFEN	GROUP	13	FUNGICIDE
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# Quintec®

## FUNGICIDE

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**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks

### User Safety Requirements

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rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

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## Directions for Use

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

**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.

**DO NOT** apply this product one-half hour before dusk to one-half hour after dawn in counties east of the Rocky Mountains where the gray bat, Indiana bat, and the Ozark big-eared bat occur.

### 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 of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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, including plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

## Product Information

Quintec® fungicide is a protectant fungicide for the control of powdery mildew diseases. Quintec does not control existing or latent powdery mildew infections and must be applied on a protectant schedule (latency is the period between infection of plant tissues and the development of visible symptoms).

Quintec is compatible with most commonly used insecticides, miticides and fungicides.

## Use Restrictions

- **DO NOT** graze or harvest forage from cover crops within areas treated with Quintec.
- **DO NOT** aeri ally apply this product on stone fruits, cherry, grapes, or hops. Aerial application is permitted on other crops for which this product is registered for use.
- Chemigation: **DO NOT** apply this product through any type of irrigation system.
- Read carefully and follow all applicable use directions, precautions, and limitations on the respective product labels used in mixtures.
- Rainfast Requirement: When applied alone, Quintec is rainfast 1 hour after application.
- Not for use in greenhouses or nurseries

## Rotational Crop Restrictions

The following rotational crops may be planted at intervals defined below following the final application of Quintec.

Crops	Re-Planting Interval
registered crops	no restrictions
all other crops grown for food or feed	30 days



## Mixing Directions

Quintec may be applied in tank mix combination with labeled rates of other pesticides, including fungicides, insecticides, or other chemicals used in the culture of the labeled crop provided: (1) the tank mix product is labeled for the timing and method of application for the intended use; and (2) tank mixing with Quintec or other pesticides is not prohibited by the label of the tank mix product. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Fill the spray tank to at least one-half the required spray volume and start agitation. Add (in order) dry flowable, wettable powder, and Quintec or other flowable (aqueous suspension) products to the spray tank. Then add the specified rate of emulsifiable concentrate and solution products. Allow time for thorough mixing after adding each product. Finish filling spray tank and maintain continuous agitation in the spray tank during mixing, filling and spraying operations.

### Oil Sprays

Oil sprays may be integrated as part of a powdery mildew management program. Consult local university extension for specific information.

### Use of Surfactants

A moderate rate of a registered nonionic or organosilicone surfactant may improve crop coverage. Penetrants and stickers are not advised.

### Tank Mixing Directions

- Read carefully and follow all applicable use directions including application rates, use precautions, and limitations on the respective product labels.
- **DO NOT** exceed specified application rates or maximum use rates if products with the same active ingredient are applied together
- For tank mix partners packaged in water soluble packaging, **DO NOT** use with products containing boron or mix in equipment previously used to apply boron-containing mixtures unless the tank and spray equipment have been adequately cleaned.
- Always perform a (jar) test to ensure compatibility of products used in tank mixtures.

### Tank Mix Compatibility Testing

To determine the physical compatibility of Quintec with other pesticides, perform a jar test. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, jells, oily films or layers, or other precipitates, it is not compatible and the tank mix combination must not be used.

## Spray Drift Management

### Spray Drift Advisories

The applicator is responsible for avoiding off-site spray drift. Be aware of nearby non-target sites and environmental conditions.

### Aerial Applications

- **DO NOT** release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- The boom length must not exceed 75% of the wingspan for airplanes or 90% of the rotor blade diameter for helicopters
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### Airblast Applications

- Sprays must be directed into the canopy.
- User must turn off outward pointing nozzles at row ends and when spraying outer rows.

### **Ground Boom Applications:**

- User must apply with nozzle height specified by the manufacturer, but no more than 4 feet above the ground or crop canopy
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### **Boom-less Ground Application:**

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### **Handheld Technology Applications:**

- Take precautions to minimize spray drift.

### **Importance of Droplet Size**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### **Controlling Droplet Size - Ground Boom**

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure specified for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

### **Controlling Droplet Size – Aircraft**

- Adjust Nozzles - Follow nozzle manufacturer's specifications for setting up nozzles. To reduce fine droplets, orient nozzles parallel with the airflow in flight.

### **Boom Height – Ground Boom –**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, ensure that the boom remains level with the crop and has minimal bounce.

### **Release Height – Aircraft –**

Higher release heights increase the potential for spray drift.

### **Shielded Sprayers –**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **Temperature and Humidity –**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### **Temperature Inversions –**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

### **Wind –**

Drift potential increases with wind speed. Avoid applications during gusty wind conditions. Applicators need to be familiar with local wind patterns and terrain that could affect spray

## Resistance Management

For resistance management, Quintec contains a Group 13 fungicide. Any fungal population may contain individuals naturally resistant to Quintec and other Group 13 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance management strategies must be followed.

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

- Rotate the use of Quintec or other Group 13 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM guidelines for specific crops of pathogens.
- For information or to report suspected resistance, contact Nissan Chemical Corporation, 5-1, Nihonbashi 2-chome, Chuo-ku, Tokyo 103-6119, Japan, Or contact: Nissan Chemical America Corporation, 10333 Richmond Avenue, Suite 1100, Houston, TX 77042 at 713-532-4745, ext. 100. You can also contact your pesticide distributor or university extension specialist to report resistance.
- Apply no more than two (2) sequential applications unless otherwise stated in the crop section.
- Apply early to keep fungal populations low.
- To help manage fungicide resistance, **DO NOT** use Quintec for commercial transplant production.

### Disease Resistance Management

#### Cherry, Grapes, Hops, Stone Fruits:

Quintec is in mode of action Group 13. **DO NOT** make more than five applications of Quintec per calendar year, nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec.

**Gourds, Lettuce, Melons, Pepper, Pumpkin, Strawberry, Tomato, and Winter Squash:** Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per crop nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. It is advised that the total number of group 13 fungicide sprays per crop must not exceed 50% of the total number of powdery mildew sprays.

#### All Crops:

To delay development of fungicide/bactericide resistance:

- Avoid the consecutive use of Quintec or other target site of action Group 13 fungicides/bactericides that have a similar target site of action on the same pathogens.
- Use tank mixtures or premixes with fungicides/bactericides 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.
- Base fungicide/bactericide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitor treated fungal/bacterial 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 guidelines for specific crops and resistant pathogens.
- For information or to report suspected resistance, you may contact your local Nissan Chemical Corporation representative.

## Application Directions

### Application Timing

Apply Quintec before visible symptoms of powdery mildew appear. Quintec will not control latent or established infections of powdery mildew. If powdery mildew infection is established, apply Quintec in tank mix combination with a curative fungicide or following application of a curative spray or, if multiple diseases are present, following application of a broad-spectrum fungicide. Under low disease conditions (as per a predictive modeling system), minimum label use rates per application can be used. For optimum results, use maximum label rates and short application intervals for severe or threatening disease conditions.

### Application Method

#### Cherry, Grape, Hops, Stone Fruits:

**Ground:** Apply uniformly by ground application in a minimum spray volume of 30 gallons per acre. Disease control may be reduced at low spray volumes or if spray coverage is inadequate. **DO NOT** apply under conditions when uniform spray coverage cannot be obtained or when spray drift may occur.

**Aerial: DO NOT** aerially apply this product on cherry, grape, hops, and stone fruits.

#### Artichoke, Head and Leaf Lettuce, Melons, Pepper, Strawberry, Gourds and Pumpkin, Tomato, Winter Squash:

**Ground:** For thorough spray coverage and optimum disease control, apply Quintec by ground application. Apply in a minimum spray volume of 30 gallons per acre.

**Aerial:** Apply in a minimum spray volume of 5 gallons of water per acre. Higher spray volumes per acre and conditions that allow uniform spray coverage will provide the greatest level of disease control with Quintec. **DO NOT** apply under conditions when uniform spray coverage cannot be obtained or when spray drift may occur.

#### Artichoke, Cherry, Grape, Head and Leaf Lettuce, Hops, Melons (Subgroup 9A), Pepper, Stone Fruits, Strawberry, Tomato, Winter Squash, Gourds and Pumpkin

Crop	Disease	Re-Treatment Interval (Days)	Rate of Quintec (fl. oz./acre) <sup>1</sup>	Quinoxifen Rate (lb. a.i./acre)
artichoke	powdery mildew ( <i>Leveillula taurica</i> )	10 - 14	4 - 6	0.065 - 0.098
cherry	powdery mildew ( <i>Podosphaera clandestina</i> )	10 - 14	8.7	0.141
grape <sup>2</sup> (Subgroup 13-07F)	powdery mildew ( <i>Erysiphe necator</i> )	14	4	0.065
		21	6.6	0.108
head and leaf lettuce	powdery mildew ( <i>Erysiphe cichoracearum</i> )	10 - 14	4 - 6	0.065 - 0.098
hops	powdery mildew ( <i>Podosphaera macularis</i> )	14	4 - 8.2	0.065 - 0.134
melons <sup>3</sup> (subgroup 9A)	powdery mildew ( <i>Erysiphe cichoracearum Sphaerotheca fuliginea</i> )	10 - 14	4 - 6	0.065 - 0.098
pepper <sup>4</sup> (Subgroup 8-10B)	powdery mildew ( <i>Leveillula taurica, Oidiopsis tuarica</i> )	10 - 14	4 - 6	0.065 - 0.098
stone fruits <sup>5</sup>	powdery mildew ( <i>Sphaerotheca pannosa, Podosphaera leucotricha</i> )	10 - 14	7	0.114
strawberry <sup>6</sup> (Subgroup 13-07G)	powdery mildew ( <i>Sphaerotheca macularis</i> )	10 - 14	4 - 6	0.065 - 0.098
tomato [Intended for Processing]	powdery mildew ( <i>Leveillula taurica, Oidiopsis tuarica</i> )	10 - 14	4 - 6	0.065 - 0.098
winter squash, gourds, pumpkin	powdery mildew ( <i>Erysiphe cichoracearum Sphaerotheca fuliginea</i> )	10 - 14	4 - 8	0.065 - 0.098

<sup>1</sup>When applied as a dilute spray, maintain the per acre use rate.

<sup>2</sup>Grapes (subgroup 13-07F) including: amur river grape, gooseberry, grape, kiwifruit, hardy, maypop, schisandra berry, cultivars, varieties and/or hybrids of these.

<sup>3</sup>Melons (subgroup 9A) including citron melon, muskmelon (cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon, true cantaloupe), watermelon

<sup>4</sup>Pepper (subgroup 8-10B) including: African eggplant; bell pepper, chili pepper, cooking pepper, eggplant, Martynia, non-bell pepper, okra, pea eggplant, pepino, pimento, roselle, scarlet eggplant, sweet pepper, cultivars, varieties, and/or hybrids of these

<sup>5</sup>Stone fruits including apricot, chickasaw plum, damson plum, Japanese plum, nectarine, peach, plum, plumcot, prune (fresh)

<sup>6</sup>Strawberry (subgroup 13-07G) including: bearberry, bilberry, lowbush blueberry, cloudberry, cranberry, lingonberry, muntries, partridgeberry, strawberry, cultivars, varieties, and/or hybrids of these.

## Specific Use Directions:

### Artichoke

#### Restrictions:

- **Preharvest Interval:** None
- **Maximum Application Rate:** **DO NOT** apply more than 32 fl. oz. of Quintec per acre per calendar year (0.52 lbs ai/year).
- **Maximum Single Application Rate:** **6 fl. oz. / acre (0.098 lbs./ai/acre).**
- **Minimum Re-treatment Interval:** **10 days.**
- **Maximum Applications/year:** **5**

#### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. Carefully inspect the crop several days after each application of Quintec and at regular intervals during crop development. Under certain environmental conditions, Quintec may cause leaf spotting and chlorosis. If these symptoms occur after applying Quintec, discontinue its use.

### Cherry

#### Restrictions:

- **Preharvest Interval:** **DO NOT** apply within 7 days of harvest.
- **Maximum Application Rate:** **DO NOT** apply more than 17.4 fl. oz. (0.283 lbs./ai/acre) of Quintec per acre per calendar year.
- **Maximum Single Application Rate:** 8.7 fl. oz. / acre (0.141 lbs./ai/acre).
- **Minimum Re-treatment Interval:** **10 days.**
- **Maximum Applications/year:** **2**

#### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than two applications of Quintec per calendar year.

### Grape (Subgroup 13-07F)

#### Restrictions:

- **Preharvest Interval:** **DO NOT** apply within 21 days of harvest.
- **Maximum Application Rate:** **DO NOT** apply more than 33-fl. oz. (0.536 lbs./ai/acre) of Quintec per acre per calendar year.
- **Maximum Single Application Rate:** 6.6 fl. oz / acre (0.107 lbs./ai/acre)
- **Minimum Re-treatment Interval:** 14 days, if application rate is 4 fl. oz/acre or 21 days, if application rate is 6.6 fl. oz/acre.
- **Maximum Applications/year:** **5**

#### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than five applications of Quintec per calendar year, nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec.

## Head and Leaf Lettuce

### Restrictions:

- **Preharvest Interval: DO NOT** apply within 1 day of harvest.
- **Maximum Application Rate: DO NOT** apply more than 24 fl. oz. (0.390 lbs./ai/acre) of Quintec per acre per crop.
- **Maximum Single Application Rate: 6 fl. oz. / acre** (0.098 lbs./ai/acre).
- **Minimum Re-treatment Interval: 10 days.**
- **Maximum Applications/year: 4**

### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per crop, nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. It is advised that the total number of group 13 fungicide sprays per crop must not exceed 50% of the total number of powdery mildew sprays.
- Carefully inspect the crop several days after each application of Quintec and at regular intervals during crop development. Under certain environmental conditions, Quintec may cause leaf spotting and chlorosis. If these symptoms occur after applying Quintec, discontinue its use.

## Hops

### Restrictions:

- **Preharvest Interval: DO NOT** apply within 21 days of harvest.
- **Maximum Application Rate: DO NOT** apply more 33 fl. oz. (0.536 lbs./ai/acre) of Quintec per acre per calendar year.
- **Maximum Single Application Rate: 8.2 fl. oz. / acre (0.133 lbs./ai/acre)**
- **Minimum Re-treatment Interval: 14 days.**
- **Maximum Applications/year: 4**

### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per calendar year, nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec.

## Melons (Subgroup 9A)

### Restrictions:

- **Preharvest Interval: DO NOT** apply within 3 days of harvest.
- **Maximum Application Rate: DO NOT** apply more than 24 fl. oz. (0.390 lbs./ai/acre) of Quintec per acre per crop.
- **Maximum Single Application Rate: 6 fl. oz. / acre** (0.098 lbs./ai/acre).
- **Minimum Re-treatment Interval: 10 days**
- **Maximum Applications/year: 4**

### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per crop, nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. It is advised that the total number of group 13 fungicide sprays per crop must not exceed 50% of the total number of powdery mildew sprays.
- Carefully inspect the crop several days after each application of Quintec and at regular intervals during crop development. Under certain environmental conditions, Quintec may cause leaf spotting and chlorosis. If these symptoms occur after applying Quintec, discontinue its use.

## Pepper (Subgroup 8-10B)

### Restrictions:

- **Preharvest Interval: DO NOT** apply within 3 days of harvest.
- **Maximum Application Rate: DO NOT** apply more than 24 fl. oz. (0.390 lbs./ai/acre) of Quintec per acre per calendar year.
- **Maximum Single Application Rate: 6 fl. oz. / acre** (0.098 lbs./ai/acre).
- **Minimum Re-treatment Interval: 10 days.**
- **Maximum Applications/year: 4**

### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per crop, nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. It is advised that the total number of group 13 fungicide sprays per crop must not exceed 50% of the total number of powdery mildew sprays.
- Carefully inspect the crop several days after each application of Quintec and at regular intervals during crop development. Under certain environmental conditions, Quintec may cause leaf spotting and chlorosis. If these symptoms occur after applying Quintec, discontinue its use.

## Stone Fruits

### Restrictions:

- **Preharvest Interval: DO NOT** apply within 7 days of harvest.
- **Maximum Application Rate: DO NOT** apply more than 28 fl. oz. (0.445 lbs./ai/acre) of Quintec per acre per calendar year.
- **Maximum Single Application Rate: 7 fl. oz. / acre (0.114 lbs./ai/acre)**
- **Minimum Re-treatment Interval: 10 days.**
- **Maximum Applications/year: 4**

### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per crop, nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. Carefully inspect the crop several days after each application of Quintec and at regular intervals during crop development. Under certain environmental conditions, Quintec may cause leaf spotting and chlorosis. If these symptoms occur after applying Quintec, discontinue its use.

## Strawberry (Subgroup 13-07G)

### Restrictions:

- **Preharvest Interval: DO NOT** apply within 1 day of harvest.
- **Maximum Application Rate: DO NOT** apply more than 24 fl. oz. (0.390 lbs./ai/acre) of Quintec per acre per crop.
- **Maximum Single Application Rate: 6 fl. oz. / acre** (0.098 lbs./ai/acre).
- **Minimum Re-treatment Interval: 10 days.**
- **Maximum Applications/year: 4**

### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per crop nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. It is advised that the total number of group 13 fungicide sprays per crop must not exceed 50% of the total number of powdery mildew sprays.
- Carefully inspect the crop several days after each application of Quintec and at regular intervals during crop development. Under certain environmental conditions, Quintec may cause leaf spotting and chlorosis. If these symptoms occur after the first application of Quintec, discontinue its use.

## Tomatoes [Intended for Processing]

### Restrictions:

- **Preharvest Interval: DO NOT** apply within 3 days of harvest.
- **Maximum Application Rate: DO NOT** apply more than 0.098 lbs. a.i. (6 fl. oz.) of Quintec per acre per application or more than 24 fl. oz. (0.390 lbs. a.i.) of Quintec per acre per calendar year.
- **Maximum Single Application Rate: 6 fl. oz. / acre (0.098 lbs a.i.)**
- **Minimum Re-treatment Interval: 10 days.**
- **Maximum Applications/year: 4**

### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per crop, nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. It is advised that the total number of group 13 fungicide sprays per crop must not exceed 50% of the total number of powdery mildew sprays.
- Carefully inspect the crop several days after each Quintec application and at regular intervals during crop development. Under certain environmental conditions which cause plant stress, Quintec may cause leaf curling, spotting and/or chlorosis. These conditions may include water stress, adverse temperatures, pest infestations, fertilizer deficiency or excess and poor soil conditions. If symptoms occur after application of Quintec, discontinue its use.

## Winter Squash, Gourds and Pumpkin

### Restrictions:

- **Preharvest Interval: DO NOT** apply within 3 days of harvest.
- **Maximum Application Rate: DO NOT** apply more than 32 fl. oz. (0.520 lbs./ai/acre) of Quintec per calendar year.
- **Maximum Single Application Rate: 8 fl. oz. / acre (0.130 lbs./ai/acre)**
- **Minimum Re-treatment Interval: 10 days.**
- **Maximum Applications/year: 4**

### Precautions:

- Quintec is in mode of action Group 13. **DO NOT** make more than four applications of Quintec per crop nor more than two consecutive applications of Quintec before alternating to a fungicide that has a different mode of action and that is effective on local populations of the target powdery mildew pathogen. Apply an alternate product within 14 days of applying Quintec. It is advised that the total number of group 13 fungicide sprays per crop must not exceed 50% of the total number of powdery mildew sprays.
- Carefully inspect the crop several days after each application of Quintec and at regular intervals during crop development. Under certain environmental conditions, Quintec may cause leaf spotting and chlorosis. If these symptoms occur after applying Quintec, discontinue its use.



## Storage and Disposal

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

**Pesticide Storage:** Avoid freezing. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

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

### ***[(Nonrefillable containers 5 gallons or less:)]***

**Container Handling:** Nonrefillable container. **DO NOT** reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

### ***[(Refillable containers 5 gallons or larger:)]***

**Container Handling:** Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

### ***[(Nonrefillable containers 5 gallons or larger:)]***

**Container Handling:** Nonrefillable container. **DO NOT** reuse or refill this container.

Triple rinse or pressure 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 1/4 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. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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## Limitation of Warranty and Liability

**NOTICE:** Read This Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Nissan. These risks can cause: ineffectiveness of the product; crop injury, or; injury to non-target crops or plants.

Nissan does not agree to be an insurer of these risks, beyond what is expressly warranted by this label. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

Nissan warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NISSAN MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL NISSAN OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF NISSAN OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF NISSAN OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Nissan or Nissan Chemical America Corporation (NCAC) must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify Nissan or NCAC of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

**ACCEPTED**

04/13/2023

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 33906-26

QUINOXYFEN GROUP 13 FUNGICIDE

**SUPPLEMENTAL LABELING**

This supplemental label expires October 14, 2024 and must not be used or distributed after this date.

**Quintec®**

**FUNGICIDE**

EPA Reg. No. 33906-26-10163

<b>ACTIVE INGREDIENT:</b> Quinoxyfen	<b>% By Wt.</b>
5,7-dichloro-4-(p-fluorophenoxy) quinoline.....	22.58%
<b>OTHER INGREDIENTS**</b> .....	77.42%
	<b>TOTAL</b> 100.00%

Contains 2.08 lbs. of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION/ PRECAUCIÓN**

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.)

**DIRECTIONS FOR USE**

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- All applicable directions, restrictions, and precautions on the EPA registered label must be followed.
- This labeling must be in the possession of the user at the time of pesticide application.
- Read the label affixed to the container for Quintec Fungicide before applying.

**APPLICATION DIRECTIONS**

**PREHARVEST INTERVAL**

The required days between the last application and harvest are given in ( ) after each crop name

CROP	DISEASE	RATE (Fl. Oz./acre)	INSTRUCTIONS
CHERRY (7)	Powdery mildew ( <i>Sphaerotheca pannosa</i> , <i>Podosphaera leucotricha</i> )	8.7	Apply Quintec before visible symptoms of powdery mildew appear. Quintec will not control latent or established infections of powdery mildew. If powdery mildew infection is established, apply Quintec in tank mix combination with a curative fungicide or following application of a curative spray or, if multiple diseases are present, following application of a broad-spectrum fungicide. Under low disease conditions (as per a predictive modeling system), minimum label use rates per application can be used. For optimum results, use maximum label rates and short application intervals for severe or threatening disease conditions. <b>Ground:</b> Apply uniformly by ground application in a minimum spray volume of 30 gallons per acre. Disease control may be reduced at low spray volumes or if spray coverage is inadequate. <b>DO NOT</b> apply under conditions when uniform spray coverage cannot be obtained or when spray drift may occur. <b>Aerial: DO NOT</b> aerially apply this product on cherry, grape, hops, and stone fruits.
Restrictions for Cherry: <ul style="list-style-type: none"> <li>• <b>Preharvest Interval: DO NOT</b> apply within 7 days of harvest.</li> <li>• <b>Maximum Application Rate: DO NOT</b> apply more than 17.4 fl. oz. (0.283 lbs./ai/acre) of Quintec per acre per calendar year.</li> <li>• <b>Maximum Single Application Rate:</b> 8.7 fl. oz. / acre (0.141 lbs./ai/acre).</li> <li>• <b>Minimum Re-treatment Interval: 10 days.</b></li> <li>• <b>Maximum Applications/year: 2</b></li> <li>• Quintec is in mode of action Group 13. <b>DO NOT</b> make more than two applications of Quintec per calendar year.</li> </ul>			



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