

62719-375

9/30/2003

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg.
Number:

62719-
375

Date of Issuance:

SEP 30 2003

NOTICE OF PESTICIDE:

 x Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Quintec

Name and Address of Registrant (include ZIP Code):

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268-1054

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/reregistered 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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(C) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product
2. Make the following labeling changes before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 62719-375."
 - b. Under "Environmental Hazards", add the following as the second sentence of the second paragraph: "This product has a potential for runoff for several months or more after application." The second paragraph

Signature of Approving Official:

Mary L. Waller, Product Manager (21)

Mary L. Waller

Date:

9/30/03

page 2

EPA Reg. No. 62719-375

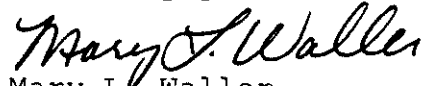
of the "Environmental Hazards" was omitted in the booklet. Include the second paragraph and the added statement in the booklet.

- c. Add as a third paragraph in the "Environmental Hazards": "To protect the gray bat, Indiana bat, and the Ozark big-eared bat, do not apply from one-half hour before dusk to one-half hour after dawn."
3. Submit one copy of the final printed label for the record.

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

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Mary L. Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)



Enclosure

7505C:CGrable:cg:9/30/03

3/12

(Base Label)

(logo) Dow AgroSciences

Quintec*

A protectant fungicide for the control of powdery mildew in grapes, hops, and cherry.

Group	13	FUNGICIDE
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Active Ingredient:

quinoxifen: 5,7-dichloro-4-(p-fluorophenoxy)

quinoline..... 22.58%

Inert Ingredients 77.42%

Total 100.00%

Contains 2.08 pounds of active ingredient per gallon.

ACCEPTED
with COMMENTS
In EPA Letter Dated
SEP 30 2003
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
62719-375

Keep Out of Reach of Children

CAUTION PRECAUTION

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful If Swallowed • Harmful If Absorbed Through Skin**Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.**

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

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

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.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

First Aid

If swallowed: 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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

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 washwaters.

This product may contaminate water through drift of spray in wind. Poorly draining soils and soils with shallow watertables 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 such as 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.

Refer to label booklet for Directions for Use including Storage and Disposal.

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 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs, or clothing.

EPA Reg. No. 62719-GTL

EPA. Est. _____

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Dow AgroSciences LLC • Indianapolis, IN 46268 USA

Fungicide

Net Contents _____

5/12

(Label booklet cover)

(logo) Dow AgroSciences

Quintec*

A protectant fungicide for the control of powdery mildew in grapes, hops, and cherry.

Group	13	FUNGICIDE
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Active Ingredient:

quinoxifen: 5,7-dichloro-4-(p-fluorophenoxy)	
quinoline	22.58%
Inert Ingredients	77.42%
Total	100.00%

Contains 2.08 pounds of active ingredient per gallon.

Keep Out of Reach of Children

CAUTION PRECAUCION

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.)

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.

Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE) and User Safety Recommendations, and Directions for Use including Storage and Disposal.

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 life or property involving this product, call collect (517) 636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs, or clothing.

EPA Reg. No. 62719-GTL

EPA. Est. _____

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Dow AgroSciences LLC • Indianapolis, IN 46268 USA

Fungicide

Net Contents _____

(Page 1 through end)

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.****Personal Protective Equipment (PPE)****Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks

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

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.

User Safety Recommendations**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

First Aid

If swallowed: 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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

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 washwaters.

This product may contaminate water through drift of spray in wind. Poorly draining soils and soils with shallow watertables 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 such as 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.

7/12

Directions for Use

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.

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, such as plants, soil, or water, is:

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

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 may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General Use Directions

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 recommended insecticides, miticides and fungicides.

General Use Precautions and Restrictions

- Do not make more than 5 applications of Quintec per calendar year for cherry and grape.
- Do not make more than 4 applications of Quintec per calendar year for hops.
- Do not graze or harvest forage from cover crops within areas treated with Quintec.
- Do not aerially apply this product.
- **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.

Disease Resistance Management

Quintec contains a Group 13 fungicide. Fungal isolates/bacterial strains with acquired resistance to

8/12

Group 13 fungicides may eventually dominate the fungal/bacterial population if Group 13 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 Quintec or other Group 13 fungicides. Currently, Quintec (quinoxifen) is the only active ingredient classified as a Group 13 fungicide and may be rotated with all other labeled products.

To delay development of fungicide/bactericide resistance, the following practices are recommended:

- 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 recommendations for specific crops and resistant pathogens.
- For further information or to report suspected resistance, you may contact your local Dow AgroSciences representative or by calling 800-253-3033 or over the internet at www.dowagro.com.

Mixing Instructions

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 recommended 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 recommendations.

Use of Surfactants

Quintec contains sufficient surfactant to ensure mixability and plant coverage. The use of additional surfactant is not required.

Tank Mixing

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.

Tank Mixing Precautions:

- Read carefully and follow all applicable use directions including application rates, use precautions, and limitations on the respective product labels.
- Do not exceed recommended 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: A jar test is recommended prior to tank mixing to ensure compatibility of Quintec and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in

9/12

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, jels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

Concentrate and Dilute Sprays

Concentrate sprays are generally applied in a spray volume of 100 gallons or less per acre to provide uniform coverage, but not to the point of runoff. Dilute sprays are applied in sufficient spray volume to completely wet the target plant to the point of runoff. Gallonage of dilute sprays will vary depending on the volume, density and spacing of the crop canopy and will generally increase in proportion to crop development during the growing season.

Rainfast Requirement: When applied alone, Quintec is rainfast 1 hour after application.

Application Guidelines

Crop	Disease	Recommended Spray Interval (days)	Rate of Quintec (fl oz/acre) [†]
cherry	powdery mildew (<i>Podosphaera clandestina</i>)	10 - 14	7
grape	powdery mildew (<i>Uncinula necator</i>)	7	1 - 2
		14	3 - 4
		21	5 - 6.6
hops	powdery mildew (<i>Sphaerotheca macularis</i>)	14	4 - 8.2

[†] When applied as a dilute spray, maintain the per acre use rate.

Application Timing: Apply Quintec before visible symptoms of powdery mildew appear. Quintec has no curative properties and will not control latent or established infections of powdery mildew. If powdery mildew infection is established, Quintec should be applied 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. Maximum label rates are recommended for severe or threatening disease conditions.

Use Restrictions:

Cherry

- **Preharvest Interval:** Do not apply within 7 days of harvest.
- **Maximum Application Rate:** Do not apply more than 7 fl oz of Quintec per acre per application or more than 35 fl oz of Quintec per acre per calendar year.
- Do not make more than 5 applications of Quintec per calendar year.
- **Minimum Spray Interval:** 7 days.

Grape

- **Preharvest Interval:** Do not apply within 14 days of harvest.
- **Maximum Application Rate:** Do not apply more than 6.6 fl oz of Quintec per acre per application or more than 33 fl oz of Quintec per acre per calendar year.
- Do not make more than 5 applications of Quintec per calendar year.
- **Minimum Spray Interval:** 5 days for 1 to 2 fl oz per acre rate; 7 days for 3 to 4 fl oz per acre rate; 14 days for 5 to 6.6 fl oz per acre rate.

Hops

- **Preharvest Interval:** Do not apply within 21 days of harvest.
- **Maximum Application Rate:** Do not apply more than 8.2 fl oz of Quintec per acre per application or more than 33 fl oz of Quintec per acre per calendar year.

10/12

- Do not make more than 4 applications of Quintec per calendar year.
- Minimum Spray Interval: 7 days.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

*Trademark of Dow AgroSciences LLC
EPA-accepted ___/___/___

Supplemental Labeling



Dow AgroSciences LLC

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

Quintec*

EPA Reg. No. 62719-GTL

For Use as a Protectant Fungicide for Control of Powdery Mildew Diseases on Cherry

ATTENTION

- 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 Quintec* fungicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Quintec according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Quintec.

Directions for Use

Refer to product label for General Use Precautions and Restrictions and Mixing instructions.

Disease	Recommended Spray Interval (days)	Rate of Quintec (fl oz/acre) †
powdery mildew (<i>Podosphaera clandestina</i>)	10 - 14	7

† When applied as a dilute spray, maintain the per acre use rate.

Application Timing: Apply Quintec before visible symptoms of powdery mildew appear. Quintec has no curative properties and will not control latent or established infections of powdery mildew. If powdery mildew infection is established, Quintec should be applied 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. Maximum label rates are recommended for severe or threatening disease conditions.

Specific Use Restrictions:

- **Preharvest Interval:** Do not apply within 7 days of harvest.
- **Maximum Application Rate:** Do not apply more than 7 fl oz of Quintec per acre per application or more than 35 fl oz of Quintec per acre per calendar year.
- Do not make more than 5 applications of Quintec per calendar year.
- **Minimum Spray Interval:** 7 days.

Note: This product is toxic to fish and aquatic invertebrates. Refer to the Environmental Hazards section of the product label attached to the product container for required protective measures.

*Trademark of Dow AgroSciences LLC

D06-136-XXX

EPA-accepted ___/___/___

Initial printing

ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP 30 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
62719-325

T6S / Quintec / Prop Sec 3 Supp Cherry / 08-29-03
file: D06-136-XX Quintec Sec 3 Cherry 29Aug03d.doc

Quintec*

EPA Reg. No. 62719-GTL

Proposed Section 3 Supplemental Labeling for use of Quintec as a protectant fungicide for control of powdery mildew diseases on cherry.

29Aug03 – The following changes were made to the proposed label:

1. Changed recommended spray interval from 7 days to 10 to 14 days.
2. Use Restrictions: Added "Minimum Spray Interval: 7 days."

*Trademark of Dow AgroSciences LLC