



Quintec™

FUNGICIDE

ACTIVE INGREDIENT: 250 g/litre quinoxyfen as a suspension concentrate

GROUP 13 FUNGICIDE

For the control of Powdery Mildews in grapevines and squash with inedible peel (kabocha)

READ THIS LABEL COMPLETELY BEFORE MIXING OR APPLYING

book approved sally shen 20/9/2019

Dow AgroSciences (NZ) Ltd
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www.corteva.co.nz
Telephone 0800 803 939

HAZARD CLASSIFICATION: 6.5B, 6.9B, 9.1A

APPROVED HANDLER: Not required for this product.

RECORD KEEPING

Records of use, as described in relevant HSNO Act regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3L of **QUINTEC** is applied, or discharged within 24 hours in a place where members of the public may be present or where the substance may enter air or water and leave the place.

TOXICITY

WARNING: REPEATED SKIN EXPOSURE MAY RESULT IN AN ALLERGIC RESPONSE. Avoid contact with skin. **MAY CAUSE ORGAN DAMAGE FROM REPEATED ORAL EXPOSURE AT HIGH DOSES.**

ECOTOXICITY

WARNING: VERY TOXIC TO AQUATIC ORGANISMS. **DO NOT** contaminate an aquatic environment with chemical or empty container. **DO NOT** spray over, or allow to drift over, an aquatic environment.

HANDLING PRECAUTIONS

EQUIPMENT

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Flush equipment thoroughly with clean water after use according to the Cleaning Spray Equipment instructions below. Dispose of the cleaning water according to the Disposal instructions below.

STORAGE

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from foodstuffs. Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Stores containing more than 100L of **QUINTEC** (or substances of the same hazard class) require bunding and are subject to signage. See the Hazardous Substances Emergency Management Regulations 35 – 41 and the New Zealand Standard for the Management of Agrichemicals (NZS8409) for further information.

PERSONAL PROTECTION

When opening the container, preparing the spray or using the spray, wear eye protection, cotton overalls buttoned to the neck and wrist, elbow length PVC gloves, and waterproof boots.

DO NOT eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

SPILLAGE

DO NOT touch or walk through spilled material. Wear the protective equipment recommended above. Stop leak when safe to do so. Dam area and prevent entry into waterways, and drains. **Small spills/leaks:** Absorb with a proprietary absorbent suitable for chemical spills or inert material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal.

Large spills/leaks: Dam the area off and report them to Corteva Agriscience Emergency Services at 0800 844 455.

DISPOSAL

Triple rinse empty container and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues (liquid and dry) and have an intact legible label should be taken to an **Agrecovery** collection site. Otherwise crush and bury in a suitably approved landfill. **DO NOT** burn empty containers.

Dispose of this product only by using according to the label, via Agrecovery (visit www.agrecovery.co.nz or call 0800 AGRECOVERY (247 326) for information about the type and quantity of chemical acceptable for disposal), or at an approved landfill. **DO NOT** burn.

Dispose of equipment cleaning water onto ground away from edible crops.

DO NOT dispose of this product, spray mix or equipment cleaning water down drains or sewers.

FIRST AID

If swallowed **DO NOT** induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

TRANSPORT

DO NOT carry more than 1L of this product on a passenger service vehicle.

SAFETY DATA SHEET

A Safety Data Sheet for **QUINTEC** is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939, or visit www.corteva.co.nz.

RE-ENTRY

DO NOT allow entry into treated areas until the spray has dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and waterproof gloves. Clothing must be laundered after each day's use.

NOTICE

Important: You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The **Registrant** declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

APPLICATION METHOD

Use either:

- a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed; or
- a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed.

Cleaning the spray equipment:

Rinsing

- After using **QUINTEC**, empty the spray unit completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain the spray unit, and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the spray unit as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.
- Discard rinse water on land already sprayed or on waste land away from edible crops and water sources.

Using the spray equipment:

The following application situations must use spray equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

MIXING:

Agitate or shake the container vigorously prior to use. Add the required amount of **QUINTEC** to a half-full spray tank and agitated well during filling. Ensure thorough agitation during mixing and application.

STORAGE OF DILUTED SPRAY MIX

The spray mix must be used within 6 hours after mixing.

RAINFALL:

QUINTEC is rainfast one hour after application.

COMPATIBILITY AND TANK MIXING

DO NOT mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of Corteva Agriscience, all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Corteva Agriscience cannot be responsible for the behaviour of such mixtures.

QUINTEC is NOT compatible with fungicides containing fosetyl as the aluminium salt. However **QUINTEC** is compatible with a range of products as follows:

Insecticides: Bacillus thuringiensis, Lorsban™ 750WG, Success™ Naturalyte™, Prodigy™.

Miticides: Pyridaben and tebufenpyrad.

Fungicides: Azoxystrobin, benomyl, chlorothalonil, copper hydroxide, copper oxychloride, dithianon, mancozeb, dimethomorph + mancozeb mixture, fenarimol, iprodione, procymidone, spiroxamine, pyrimethanil, sulphur and thiram.

WITHHOLDING PERIODS:

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice:

Maximum Residue Levels for Agricultural Compounds.

Grapes: **DO NOT** harvest for 35 days after treatment.

Grapes for Export Wine: Refer to Export Wine Grape Spray Schedule.

Squash, inedible peel (kabocha): **DO NOT** harvest for 14 days after the last application.

GRAZING RESTRICTION:

The following restrictions on the use of this product **must** be observed. **DO NOT** feed treated crops to stock other than sheep used for leaf plucking in vineyards. Take care not to allow this product to drift onto pasture or crops that may be grazed.

VINEYARDS: DO NOT graze stock other than sheep in vineyards which have been treated with **QUINTEC**. Sheep may be grazed in vineyards for the purpose of leaf plucking providing they are not slaughtered for 56 days (2 months) after leaving the vineyard.

SQUASH (inedible peel): DO NOT allow livestock to graze treated crop or foliage.

RESISTANCE MANAGEMENT

GROUP 13 FUNGICIDE

QUINTEC is a quinoline fungicide (Group 13). Some naturally occurring individual fungi may become resistant when excessive use of the same fungicide occurs. To maximize the effectiveness of fungicides, products containing alternate modes of action should be used in the spray program. Consult <http://www.resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

Squash (inedible peel): Always apply **QUINTEC** in a mixture with Systhane 200EW.

To help prevent the onset of resistance **DO NOT** apply more than **three** applications of **QUINTEC** to any crop in any one season.

GENERAL INFORMATION

QUINTEC is a foliar applied fungicide that only has protectant properties. **QUINTEC** has no curative activity and does not control any existing powdery mildew infection including the pre-visible stage. Once dry, **QUINTEC** is strongly bound to leaf waxes and therefore not easily washed off the foliage by rain. When applied to plant foliage, **QUINTEC** moves throughout the crop canopy by volatilization and re-absorption onto new, untreated plant material.

DIRECTIONS FOR USE

CROP	DISEASE	RATES	CRITICAL COMMENTS
Grapes	Powdery mildew (<i>Ucinula necator</i>)	10-20ml/100L water; used as follows:	Use as a protectant treatment only. Rates recommended are for high volume spraying to run-off. For concentrate spraying adjust dilution rate accordingly.
		10ml/100L water, applying not less than 100ml QUINTEC /ha.	Use the 10ml rate as part of a protectant spray program. Repeat at 7-10 day intervals as necessary.
		20ml/100L water, applying not less than 200ml QUINTEC /ha.	Use the 20ml rate for extended protection during periods of high or sustained infection pressure. Repeat at 10-14 day intervals as necessary.
Squash, inedible peel (kabocha)	Powdery mildews (<i>Erysiphe cichoracearum</i> and <i>Sphaerotheca fuliginea</i>)	200ml/ha + 200ml/ha Systhane 200EW	Always apply in mixture with 200ml/ha Systhane 200EW. Apply mixtures of QUINTEC plus Systhane 200EW at 14 day intervals from early flowering until harvest. DO NOT add copper fungicides to the tank-mix of Systhane 200EW plus QUINTEC . Commence applications prior to establishment of powdery mildew. Ensure thorough and uniform spray coverage. Sulphur sprays may be used for powdery mildew control prior to use of the mixture of Systhane 200EW + QUINTEC .

Note: DO NOT use more than 3 applications to grapevines or squash (inedible peel) in any one season.

Registered pursuant to the ACVM Act 1997, No P7296
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSN0 Act 1996, EPA Approval Code HSR001671
See www.epa.govt.nz for approval controls.

Registered to:

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EMERGENCY RESPONSE

(All hours)

Ring from anywhere in New Zealand

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Globally +64 6 751 2407

IN A TRANSPORT EMERGENCY

DIAL 111

FOR POLICE OR FIRE

GMID: 332100 08/19