



Dow AgroSciences

Quintec™ Fungicide

GROUP	13	FUNGICIDE
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A protectant fungicide for the control of powdery mildew on grape, stone fruit, strawberry, hop, lettuce, pumpkin, winter squash and melons. **NOT FOR USE IN GREENHOUSES.**

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT: quinoxifen 250 g/L
Contains 1,2-benzisothiazoline-3-one at 0.02 % as a preservative
Liquid

REGISTRATION NO. 29755 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 0.1 L - bulk

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PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

DO NOT APPLY BY AIR

Wash thoroughly with soap and water after handling.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre 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 centre 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 centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on the judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

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

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

Quinoxifen is persistent and may carryover. It is recommended that any products containing quinoxifen not be used in areas treated with this product during the previous season.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

STORAGE

Avoid freezing. Keep in original container during storage. Store product in cool, dry, well ventilated place away from food, seed, feed, fertilizer, or other pesticides. Keep away from fire or open flame, or other source of heat.

DISPOSAL

Recyclable Containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

GENERAL INFORMATION

Quintec Fungicide is a protectant fungicide for the control of powdery mildew on grape, stone fruit, strawberry, hop, lettuce and melons. When used alone, Quintec Fungicide is rainfast one hour after application. Do not apply by air – ground application only.

GENERAL USE PRECAUTIONS

- Do not graze or harvest forage from cover crops within areas treated with Quintec Fungicide.
- **Chemigation:** Do not apply this product through any type of irrigation system.

Tank Mixing

Do not apply this product with any other additive, pesticide or fertilizer except as specifically recommended on this label.

DIRECTIONS FOR USE

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC DISEASE CONTROL OR CROP DAMAGE.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves and shoes plus socks.

Mixers and Loaders handling concentrated product, as an extra precaution, should wear coveralls, chemical resistant gloves, goggles, and rubber boots.

Worker reentry: Do not enter or allow worker entry to treated area for 12 hours following application.

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Field sprayer application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. Boom height must be 60 cm or less above the crop or ground.

Airblast application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measure outside of the treatment area on the upwind side.

DO NOT apply by air.

Buffer zones

Spot treatments using hand-held equipment **DO NOT** require a buffer zone.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Strawberry, melon, pumpkin, winter squash, hops, head and leaf lettuce, grapes		1	1	1	1
Airblast	Hops	Early growth stage	15	0	10	3
		Late growth stage	5	0	4	2
	Grapes	Early growth stage	15	1	10	4
		Late growth stage	5	1	5	2
	Stone Fruit	Early growth stage	20	2	15	5
		Late growth stage	10	1	10	3

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

Application Guidelines

Apply Quintec Fungicide before visible symptoms of powdery mildew appear. Quintec Fungicide has no curative properties and will not control established infections of powdery mildew. Use sufficient water volume to ensure thorough coverage of all plant foliage. Disease control may be reduced at low spray volumes or if spray coverage is inadequate. If reliable predictive modeling (risk index) systems are available and indicate low disease pressure conditions, minimum label rates and longer application intervals may be used. Maximum label rates and short application intervals are recommended for severe or threatening disease conditions.

Application Rates and Spray Intervals

CROP	DISEASE (Powdery Mildew)	SPRAY INTERVAL (days)	RATE (milliliters of product per hectare)
Stone Fruit	Podosphaera clandestina (control), Sphaerotheca pannosa (suppression)	10 to 14	500
Grape	Uncinula necator	14	300
Strawberry	Sphaerotheca macularis	10 to 14	300 to 440
Melons, Pumpkin, Winter Squash	Sphaerotheca fuliginea	10 to 14	300 to 440
Head and Leaf Lettuce	Erysiphe cichoracearum	10 to 14	240
Hops	Sphaerotheca macularis (suppression)	14	300 to 500

Use Restrictions

CROP	PREHARVEST INTERVAL (days)	MAXIMUM NUMBER OF APPLICATIONS
Stone Fruit	7	5
Grape	14	5
Strawberry	1	4
Melons, Pumpkin, Winter Squash	3	4
Head and Leaf Lettuce	1	4
Hops	21	2

Crop Rotation Restrictions

Crops listed on the Quintec Fungicide label may be planted immediately following the last application. Cereal crops can be planted one year after the last application. All other crops not on the Quintec Fungicide label may be planted 30 days after the last application.

Mixing Instructions

Fill the spray tank one-half full with the amount of clean water required. Start agitation and add the required amount of Quintec Fungicide. Continue agitation while filling the spray tank to the required spray volume. Maintain agitation in the spray tank during mixing, loading, and application. Always shake before use. Avoid freezing.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Quintec Fungicide contains a Group 13 fungicide. Any fungal population may contain individuals naturally resistant to Quintec Fungicide 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. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay fungicide resistance:

- The number of sprays of Quintec Fungicide per crop must not exceed 50% of the total number of powdery mildew sprays.
- Where possible, rotate the use of Quintec Fungicide or other Group 13 fungicides with different groups that control the same pathogens after each application of Quintec Fungicide.
- Do not make more than two consecutive applications of Quintec Fungicide.

- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate, discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Dow AgroSciences Canada Inc. at 1-800-667-3852 or at www.dowagro.ca.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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