Systhane™ 200EW Fungicide

A broad-spectrum fungicide with systemic, curative and protectant activity for the control of Powdery Mildew on Grapes and Squash

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

ACTIVE INGREDIENT:
200 g/Litre myclobutanil in the form of an oil in water emulsion.

GROUP 3 FUNGICIDE

HARMFUL - Keep out of reach of children

ECOTOXIC

CONTENTS: 1L, 5L

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**HAZARD CLASSIFICATION**
6.1E, 6.3B, 6.4A, 6.8B, 6.9B, 9.1B, 9.2D, 9.3C

**APPROVED HANDLER:** Not required.

**RECORD KEEPING:** Not required.

**TOXICITY**
WARNING: THIS SUBSTANCE MAY BE HARMFUL IF SWALLOWED, OR ABSORBED THROUGH THE SKIN. MAY CAUSE REPRODUCTIVE/DEVELOPMENT DAMAGE AND/OR ORGAN DAMAGE FROM REPEATED ORAL EXPOSURE AT HIGH DOSES. 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.

MAY CAUSE MILD SKIN IRRITATION & EYE IRRITATION. Avoid contact with eyes and skin.

**ECOTOXICITY**
WARNING: TOXIC TO AQUATIC ORGANISMS. Do not contaminate an aquatic environment with chemical or empty container. Do not spray over, or allow drift over, an aquatic environment.
HARMFUL TO THE SOIL ENVIRONMENT. Do not allow drift outside the target area to occur.
HARMFUL TO TERRESTRIAL INVERTEBRATES. Store chemical and empty containers away from animals and birds.

**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 cleaning water according to the Disposal instructions below.

**STORAGE**
Store in the original container tightly closed and in a locked, dry, cool, well ventilated area away from direct sunlight and foodstuffs. Avoid storage in temperatures below 5 °C or more than 35 °C. Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).
Stores containing more than 1000L of Systhane™ 200EW require bunding and are subject to signage. See the New Zealand Standard for the Management of Agrichemicals (NZS8409) and relevant HSNO Act regulations for further information.

**PERSONAL PROTECTION**
When mixing or applying wear eye protection, chemical resistant gloves and chemical resistant boots made of a material such as rubber, polyethylene, neoprene or nitrile and cotton overalls buttoned to the neck and wrist.

**SPILLS**
Do not touch or walk through spilled material. Wear the protective equipment recommended above. Stop further spill occurring and prevent entry into waterways and drains. **Small spills/leaks:** In case of spill on floor or paved surfaces sweep up and place in drums for disposal at a licensed local authority landfill. Spill residues may be cleaned using water and detergent. Contain and absorb wash water. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the SDS, product label or Dow AgroSciences regarding disposal. **Large spills:** Report large spills to Dow AgroSciences Emergency Services at 0800 CHEMCALL (0800 243 622).
**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 equipment cleaning water onto ground away from edible crops and plants.

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.

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.

**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](http://www.epa.govt.nz)) or the Ministry for Primary Industries ([www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)).

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

Registered pursuant to the ACVM Act 1997 No P7337
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR001667
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.
SAFETY DATA SHEET

A Safety Data Sheet is available from Dow AgroSciences on request. Call Customer Service Toll Free on 0800 803 939 or visit www.dowagrosciences.co.nz.

TRANSPORT

Do not carry more than 1L on a passenger service vehicle.

RE-ENTRY

DO NOT allow entry into treated areas until the spray deposit has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day’s use.

MIXING:

Pour the measured quantity of Systhane 200EW into the partly filled spray tank. Agitate thoroughly while filling, during spraying, and before spraying after a stoppage.

CLEANING SPRAY EQUIPMENT:

After using Systhane 200EW:

- Empty the spray tank completely and drain the whole system. 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 wasteland away from desirable plants and water sources.

APPLICATION METHODS
The following application situations must use spray equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).
Good coverage is essential to ensure adequate control.

**Use:**
- 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.

**COMPATIBILITY:**
Systhane 200EW is compatible with most commonly used insecticides, fungicides and foliar fertilizers but should not be mixed with diclofluanid, Bordeaux mixture of lime sulphur.

**RESISTANCE MANAGEMENT:**

Systhane 200EW is a triazole fungicide (Group 3). 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://resistance.nzpps.org/](http://resistance.nzpps.org/) for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

**Grapes:** Do not apply more than 4 sprays of Systhane 200EW per season.
**Squash (inedible peel):** Always apply Systhane 200EW in mixture with Quintec™. Do not apply more than 3 sprays of this mixture per season.

**WITHHOLDING PERIOD**
It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.

Grapes: 28 days.
Squash (inedible peel): 14 days.

**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 Systhane 200EW. Sheep may be grazed in vineyards for the purpose of leaf plucking providing they are not slaughtered for 2 months after leaving the vineyard.

**SQUASH (inedible peel):** Do not allow livestock to graze treated crop or foliage.
DIRECTIONS FOR USE:

**GRAPES: Powdery Mildew**
Apply 6-12.5 mL of Systhane 200EW per 100 litres of water for dilute spraying. Ensure a minimum of 125 mL of Systhane 200EW is applied per hectare. An application should be made at the first sign of blossom and further sprays should be applied at 14-21 day intervals after flowering.

Under high disease pressure, reduce the spray interval and increase the application rate.

Sulphur sprays should be used for powdery mildew control prior to the use of Systhane 200EW

**SQUASH WITH INEDIBLE PEEL (KABOCHA): Powdery Mildew**
Always apply 200 mL/ha Systhane 200EW in a mixture with 200mL/ha Quintec. Apply mixtures of Quintec plus Systhane 200EW at 14 day intervals from early flowering until harvest. Commence applications prior to establishment of powdery mildew.

Do not apply more than three applications per season. Do not add copper fungicides to the tank-mix of Systhane 200EW plus Quintec. Ensure thorough and uniform spray coverage.

Sulphur sprays may be used for powdery mildew control prior to use of mixtures of Systhane 200EW plus Quintec.

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