

Read the label before opening the container.

For full particulars, see enclosed leaflet.

# CONTROLLER

South Africa Reg. No: L 6783 Act No. 36 of 1947

A wettable powder preventive and curative fungicide for the control of downy mildew (*Plasmopora viticola*) on table and wine grapes and late blight (*Phytophthora infestans*) on potatoes and tomatoes.

FRAC FUNGICIDE GROUP CODE: 27 & M3

**ACTIVE INGREDIENT:**

Cymoxanil (cyanoacetamide oxime).....60g/kgℓ

Mancozeb (dithiocarbamate).....700g/kg

Product Information Tel no: 072 678 8226

In case of poisoning: 082 446 8946

[www.envirobiochem.co.za](http://www.envirobiochem.co.za)

Expiry Date:

Batch No:

Date of Manufacture:

**UN No. 3077**

The logo for enviro bio-chem features the word "enviro" in a bold, lowercase sans-serif font, with a green leaf icon above the letter "i". Below "enviro" is a horizontal line, and under that line, the words "bio-chem" are written in a smaller, lowercase sans-serif font.

**Registration holder:**

RT Chemicals CC

Reg. Nr: CK 87/21925/23

44 Kerk Street, Lichtenburg

North West, South Africa 2740

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CAUTION  
VERSIGTIG



## WARNINGS:

- Allow the following minimum number of days between last application and harvesting:

Potatoes	14 days	Tomatoes	7 days
Table grapes	4 to 6 weeks Do not apply after pea berry stage.	Wine grapes	14 days

- Handle with care.
- Harmful if swallowed or inhaled.
- Skin, eye, nose and throat irritant.
- Toxic to fish.
- Store away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- Do not use on hydroponically or any container grown crops.
- **Flammable:** Keep away from any source of ignition or fire. Protect from humidity and water and do not allow product to become damp and then warm during storage as this may lead to the generation of flammable vapours and reduce the effectiveness of the remedy.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

**Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease to the remedy concerned as well as by the method, time and accuracy of application. The registration holder further does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.**

## PRECAUTIONS:

- Avoid contact with skin and eyes and inhalation of dust or spray mist.
- Wear protective clothing (overall, rubber gloves and face shield) when preparing spray mixture.
- Do not eat drink or smoke whilst applying or mixing or before washing hands and face and change of clothing.
- Wash contaminated clothing daily.
- After use and in case of accidental skin contact, wash thoroughly with soap and water.
- In case of accidental contact with eyes, rinse eyes thoroughly with clean water for at least 15 minutes.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean spray equipment thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Triple rinse empty containers in the following manner: Rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner (applicable to plastic buckets).
- Destroy empty container by perforation and flattening and never use for any other purpose. (Applicable to plastic buckets).
- Ensure that container is empty after contents were used. Shake container over the mixing or spray tank until empty (applicable to bags).
- Destroy empty container by perforation and never use for any other purpose. Dispose of in a responsible manner (applicable to bags).
- Prevent contamination of food, feeds, eating utensils and drinking water.

## RESISTANCE WARNING:

For resistance management, CONTROLLER is a group code 27 & M3 fungicide. Any fungus population may contain individuals naturally resistant to CONTROLLER and other group code 27 & M3 fungicides.

The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by CONTROLLER or any other group code 27 & M3 fungicide.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicide from the same fungicide group code.
- Alternate with products from different fungicide codes.
- For alternation with products in fungicide group code M, refer to applicable individual product labels.
- Integrate other control methods (chemical, cultural, biological) into insect control programmes.

For specific information on resistance management contact the registration holder of this product.

## DIRECTIONS FOR USE: - Use only as directed.

### Compatibility:

CONTROLLER is usually compatible with products which have a neutral or acidic reaction when applied in accordance with manufacturer's instructions. Do not tank mix CONTROLLER with products with an alkaline reaction.

Tank mixes should first be evaluated for physical compatibility and for crop safety by testing on a limited scale, before use.

### Mixing Instructions:

Ensure spray equipment is clean then half fill the spray tank with clean water.

Measure the required quantity of CONTROLLER and mix one to one with water until a slurry is formed. Add the slurry to the spray tank and with sufficient agitation ensure that the slurry is completely mixed. Fill the spray tank to the required volume with water.

Agitate spray mixture continuously while mixing and spraying.

### General Comments:

- Cymoxanil has a unique mode of action and is used with a companion fungicide with a different mode of action. It is locally systemic in plants and highly active with both a preventive and curative action against listed pathogens.
- Best results are obtained with CONTROLLER when applied preventively or at early stage of infection. Use as a full cover spray.
- Do not apply to any crop suffering from stress as a result of factors such as drought, water logging, low temperature, insect attack, nutrient or lime deficiency.
- Cymoxanil is rainfast within two hours of application. Rain within two hours may affect performance and the application must be repeated.

CROP/DISEASE	DOSAGE	REMARKS
POTATOES and TOMATOES  Late blight ( <i>Phytophthora infestans</i> )	2 - 3kg/ha	Apply as a full cover spray in 500 - 1 500ℓ water/ha. Apply at 10 to 14 day intervals. Reduce spray intervals to 7 to 10 days, using the higher rate, when conditions favour late blight development. Apply during active growth of crops. Do not apply more than 4 times per season. Use in combination with a standard protective spray programme. <b>Note:</b> CONTROLLER is not effective against early blight ( <i>Alternaria solani</i> ). Use an early blight treatment for its control.
WINE and TABLE GRAPES  Downy mildew ( <i>Plasmopara viticola</i> )	200g/100ℓ water (0,5 - 3kg/ha)	Start spraying when first shoots reach 10cm lengths. Repeat at 10 to 14 day intervals and at 7 to 10 day intervals when conditions for disease development are very favourable. <b>Note:</b> Do not use on table grapes after pea berry size stage.