



The miracles of science™

CURZATE® PRO

Reg. No. L5698 Act No. 36 of 1947

Reg. Nr. L5698 Wet Nr. 36 van 1947

Organic preventative and curative fungicide (wetable powder) for the control of downy mildew (*Plasmopara viticola*) on table and wine grapes and late blight (*Phytophthora infestans*) on potatoes and tomatoes.

Organiese beskermende en genesende swamdoder (benatbare poeier) vir die beheer van donsige skimmel (*Plasmopara viticola*) op tafel- en wyndruiwe en laatroes (*Phytophthora infestans*) op aartappels en tamaties.

ACTIVE INGREDIENTS

Cymoxanil (ethyl urea)
Mancozeb (dithiocarbamate)

60 g/kg
700 g/kg

AKTIEWE BESTANDELE

Simoksaniil (etielurea)
Mankoseb (ditiokarbamaat)

Nett Mass

10 kg

Netto Massa

REGISTERED BY / GEREGISTREER DEUR:

DUPONT DE NEMOURS SOUTH AFRICA
(PTY) LTD
Co. Reg. No. 2009/014079/07
P O BOX / POSBUS 3332
HALFWAY HOUSE 1685
Tel: (011) 218-8600

**24 HOUR/UUR EMERGENCY
NUMBER/ NOODNOMMER:
082 123 3911**

EXPIRY DATE
BATCH NUMBER
DATE MANUFACTURED

VERVALDATUM
LOTNOMMER
DATUM VERVAARDIG

UN No. / VN Nr. 3077



CAUTION
VERSIGTIG



(Blue colour band)

Copyright © 2011 DuPont. All rights reserved. The DuPont Oval Logo, DuPont™, The miracles of science™ and CURZATE®, CAPITAN® and OLYMP® are registered trademarks or trademarks of DuPont or its affiliates.

CURZATE[®] PRO

Reg. No. L5698 Act No. 36 of 1947
Contains cymoxanil and mancozeb

WARNINGS:

ALLOW THE FOLLOWING WITHHOLDING PERIOD BETWEEN LAST APPLICATION AND HARVEST:

Wine grapes - 14 days

Table grapes - 4-6 weeks (Do not apply after pea size).

Potatoes -14 days

Tomatoes - 7 days.

- Handle with care.
- May irritate eyes, nose, throat and skin.
- May cause skin sensitization.
- Harmful if inhaled or swallowed.
- Keep out of reach of children, uninformed persons and animals.
- Toxic to fish.
- Store away from food and feeds. Store in original container, tightly closed, in a secure and well-ventilated room.
- Do not use on hydroponically grown crops or on any container-grown crops.

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 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 against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore 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 the event of any uncertainty.

PRECAUTIONS:

- Avoid excessive inhalation of dust or spray mist. Wear mask, face shield and gloves.
- Prevent spray drift onto crops not under treatment or adjacent water sources.
- Avoid contact with skin, eyes and clothing.
- Wash with soap and water after use and accidental skin contact.
- Do not eat, drink or smoke whilst applying, mixing, before washing hands and face or change of clothing.
- Keep away from fire and sparks.
- Protect against humid air and water. Do not allow to become damp and then warmed in storage as it will generate flammable vapours.
- Containers and packages must be completely emptied before being disposed of.
- Shake out thoroughly into the mixing or spray tank before destroying the empty container.
- Never re-use the container for any other purpose.

RESISTANCE MANAGEMENT

CURZATE® PRO is a mixture of cymoxanil and mancozeb fungicides having a different mode of action. Cymoxanil is active against strains that are resistant to phenylamide fungicides.

When fungicides with the same mode of action are used repeatedly over several years in the same field, naturally occurring less sensitive strains may survive, propagate and become dominant in that field. A pathogen is considered resistant to a fungicide if it survives a correctly applied treatment at the recommended dose and timing, under normal weather conditions.

Development of resistance within a pathogen can be prevented or delayed by alternating or mixing products with a different mode of action.

DIRECTIONS FOR USE:

USE ONLY AS DIRECTED

COMPATIBILITY

CURZATE® PRO is compatible with DuPont Capitan® (Reg. No. L4487 Act No. 36 of 1947) in potatoes and with DuPont Olymp® (Reg. No. L3942 Act No. 36 of 1947) in grapes.

CURZATE® PRO is usually compatible with most products which have neutral or acidic reactions, when applied according to their manufacturer's instructions. Do not tank mix with products that have alkaline reaction. Tank mixtures that have not been evaluated for physical compatibility and crop safety must first be tested on a limited scale.

GENERAL

- Cymoxanil has a unique mode of action and is always used in mixture with companion fungicides which has different mode of action. It is a highly active, locally systemic fungicide with preventive and curative action against the pathogens listed.
- **CURZATE® PRO** is most effective when applied preventively or at the early stages of infections, before symptoms are visible on the plants. Apply sufficient water per hectare to give a good spray coverage of the treated crops.
- **CURZATE® PRO** must not be applied to any crop suffering from stress as a result of drought, water logging, low temperature, insect attack, nutrient or lime deficiency or other factors reducing crop growth.
- Cymoxanil rapidly penetrates into plant tissue. **CURZATE® PRO** is rainfast within two hours after application. If rain occurs within two hours after treatment, the product performance may be affected and the application must be repeated.

MIXING, LOADING AND CLEANING OF SPRAY EQUIPMENT

- Before using **CURZATE® PRO**, make sure the spraying equipment is clean.
- Half fill the spray tank and start the agitator. Then add the required amount of **CURZATE® PRO** to the spray tank after creaming in a small quantity of water. Continue agitation while topping up the tank and while spraying.
- Immediately after application, completely drain the spray equipment.
- Thoroughly rinse the sprayer and flush the hoses, boom and nozzles with clean water. Loosen and physically remove visible deposits. Remove and clean nozzles, screens and filters separately. Flush the entire system with clean water again.
- Do not clean spray equipment near a well, fountain or other water sources.

CROP AND DISEASE	QUANTITY/100 l WATER OR AS INDICATED	DETAILS OF SPRAY PROGRAMME
POTATOES AND TOMATOES Late blight <i>(Phytophthora infestans)</i>	2-3 kg/ha	<p>H.V. Apply as a full cover spray and depending on plant size in 500-1500 l water. Apply during period of active growth, starting as soon as conditions are conducive to late blight development. Apply not more than 4 times per season, at 10-14 day intervals. Use in combination with a standard protective programme. Use higher rate when infection pressure increases.</p> <p>Reduce spray interval to 7-10 days when conditions favour development of late blight and use the higher rate under such conditions.</p> <p>Note: CURZATE® PRO is not effective enough against Early Blight (<i>Alternaria solani</i>) when used in a 10-14 day programme. A fungicide registered against Early blight should therefore be used with a CURZATE® PRO treatment to control Early blight when conditions favour development of early blight.</p>
WINE GRAPES AND TABLE GRAPES Downy mildew <i>(Plasmopara viticola)</i>	200 g (0,5-3,0 kg/ha)	<p>Start spraying when first shoots have reached 10 cm length. Repeat application at 10-14 day intervals. Use a shorter spray interval (7-10 days) when conditions for disease development are very favourable.</p> <p>Note: Do not use on table grapes after pea size stage.</p>