



The miracles of science™

EQUATION® PRO

Reg. No. L6677 Act No. 36 of 1947

Reg. Nr. L6677 Wet Nr. 36 van 1947

Organic preventive and curative fungicide (water dispersible granule) for the control of downy mildew (*Plasmopara viticola*) in wine and table grapes.

Organiese beskermende en genesende swamdoder (water dispergeerbare korrel) vir die beheer van donsige skimmel (*Plasmopara viticola*) in tafelen wyndruiwe.

ACTIVE INGREDIENT

Cymoxanil (ethyl urea)300 g/kg...
Famoxadone (oxazolidinedione)225 g/kg...

AKTIEWE BESTANDDEEL

Simoksaniil (ethyl urea)
Famoksadoon (okasolidiendioon)

Nett Mass

400 g

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:
083 123 3911**

BATCH NUMBER
DATE MANUFACTURED

LOTNOMMER
DATUM VERVAARDIG

UN No. / VN Nr. 3077

**CAUTION
VERSIGTIG**

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EQUATION[®] PRO

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Contains cymoxanil and famoxadone

WARNINGS:

WITHHOLDING PERIOD: ALLOW THE FOLLOWING MINIMUM NUMBER OF DAYS BETWEEN LAST APPLICATION AND HARVEST:

Wine and table grapes: 28 days

Grapes and grape products e.g. wine, grape juice and raisins for export:

The local MRL level of EQUATION[®] PRO may not be applicable in all countries whereto RSA grapes and grape products are exported. DuPont can therefore not be held liable if the import tolerance of other countries is exceeded. Consult relevant export organizations or the supplier in case of uncertainty.

- Handle with care.
- Harmful if inhaled or swallowed.
- Keep out of reach of children, uninformed persons and animals.
- Toxic to fish.
- Protect against humid air or water.
- Store away from food and feed. Store in original container, tightly closed, in a secure and well-ventilated room.

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 inhalation of spray mist.
- Prevent spray drift onto crops not under treatment, grazing 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.
- 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.
- 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.
- Do not contaminate food, feed, drinking water and eating utensils.
- Do not contaminate crops, grazing, rivers or dams with wash water.

RESISTANCE MANAGEMENT

EQUATION® PRO is a mixture of cymoxanil and famoxadone fungicides having different modes of action. Both cymoxanil and famoxadone are active against downy mildew strains.

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

EQUATION® PRO is compatible with OLYMP® 100 EW (Reg. No. L6063 Act No. 36 of 1947) and 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. Consult the supplier in case of uncertainty.

GENERAL

- **EQUATION® PRO** consists of two unrelated highly active ingredients with unique modes of action namely: cymoxanil, a locally systemic fungicide with preventive and curative action and famoxadone, a preventive, residual fungicide active on spore formation and germination.
- **EQUATION® PRO** is most effective when applied preventively or at the early stages of infections, before symptoms are visible on the plants. Apply sufficient spray mixture per hectare to give a good spray coverage of the treated crops.
- **EQUATION® 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 while the famoxadone is left on the surface wax layers of the cuticle. **EQUATION® PRO** is rainfast within three hours after application. If rain occurs within three hours after treatment, the product performance may be affected and the application must be renewed.

MIXING INSTRUCTIONS

- Before using **EQUATION® PRO**, make sure the spraying equipment is clean.
- Half fill the spray tank and start the agitator. Then add the required amount of **EQUATION® PRO** to the spray tank after creaming in a small quantity of water. Continue agitation while topping up the tank and while spraying.

CROP AND DISEASE	QUANTITY PER 100 LITRES WATER	DETAILS OF SPRAY PROGRAMME
TABLE AND WINE GRAPES Downy mildew <i>(Plasmopara viticola)</i>	40 g	<p>H.V. Apply as a full cover spray and depending on vine size in 500-1500 l water.</p> <p>Commence applications when the first shoots are 10 cm long. Repeat applications at 10-14 day intervals. Use a shorter (7-10 day) interval when conditions are very favourable for disease development.</p> <p>Do not apply more than 5 EQUATION® PRO applications per season and do not apply within 28 days of harvest.</p> <p>Observe all precautions and warnings and other instructions on this label.</p>

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