

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

AVENGER™ 525

South Africa Reg. No: L11957 Act No. 36 of 1947

FRAC FUNGICIDE GROUP CODE: 27 & 11

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

ACTIVE INGREDIENTS:

Cymoxanil (ethyl urea)300g/kg

Famoxadone (oxazolidinedione)225g/kg

Product Information: 072 678 8226
In case of poisoning: 082 446 8946

HAZARD STATEMENTS

- Suspected of damaging fertility or the unborn child.
- May cause damage to organs through prolonged and repeated exposure (blood, thymus).
- Very toxic to aquatic life with long lasting effects.



WARNING

PRECAUTIONARY STATEMENTS

- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.

enviro[™]
— bio-chem

Registration holder: Enviro Crop protection (Pty) Ltd.

Co. Reg. No: CK2007/027855/07

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Expiry Date:

Batch No:

Date of Manufacture:

UN No. 3077

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 Avenger™ 525 may not be applicable in all countries whereto RSA grapes and grape products are exported. Enviro Crop Protection (Pty) Ltd 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.

- Suspected of damaging fertility or the unborn child.
- May cause damage to organs through prolonged and repeated exposure (blood, thymus).
- Very toxic to aquatic life with long lasting effects.
- 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 effected 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 against the remedy concerned as well as by the method, time and accuracy of the 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 event of any uncertainty.

PRECAUTIONS:

- Do not handle until all safety precautions have been read and understood.
- Do not breathe mist, vapours and spray.
- Wash hands and face thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If exposed or concerned: Get medical attention.
- 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.
- Collect spillage.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/ national regulations.
- TRIPLE RINSE empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.

- Empty containers should be taken for local recycling or waste disposal.
- Do not re-use empty containers.

RELEVANT SUBSTANCES:

Famoxadone 23%

Cymoxanil 30%

Sodium dodecyl sulphate < 5%

Sodium lignosulfonate <10%

FIRST AID TREATMENT:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

RESISTANCE MANAGEMENT:

Avenger™ 525 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

The compatibility of **Avenger™ 525** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.

GENERAL

- **Avenger™ 525** 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.
- **Avenger™ 525** 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.
- **Avenger™ 525** 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. **Avenger™ 525** 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 **Avenger™ 525**, make sure the spraying equipment is clean.
- Half fill the spray tank and start the agitator. Then add the required amount of **Avenger™ 525** to the spray tank after creaming in a small quantity of water. Continue agitation while topping up the tank and while spraying.

CROP/DISEASES	QUANTITY PER 100ℓ WATER	DETAILS OF SPRAY PROGRAM
TABLE AND WINE GRAPES Downy mildew (<i>Plasmopara viticola</i>)	40g	H.V. Apply as a full cover spray and depending on vine size in 500 - 1500ℓ water. 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. Do not apply more than 5 Avenger™ 525 applications per season and do not apply within 28 days of harvest. Observe all precautions and warnings and other instructions on this label.