

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

VITAZEN

South Africa Reg. No: L11260 Act No. 36 of 1947

FRAC FUNGICIDE GROUP CODE: 9 & 12

Is a translaminar systemic and contact water dispersible granular fungicide for the control of Botrytis on grapes.

ACTIVE INGREDIENT:

Cyprodinil (anilinopyrimidone).....375 g/kg
Fludioxonil (phenylpyrrole).....250 g/kg

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

HAZARD STATEMENTS

- Harmful if inhaled.
- May cause an allergic skin reaction.
- Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- Avoid release into the environment.
- Use only outdoors or in a well-ventilated area.



enviro
bio-chem

Registration holder: Enviro Bio-Chem (Pty) Ltd

Co. Reg. No: CK 2013/194774/07

44 Kerk Street, Lichtenburg NW, South-Africa

Tel: +27 87 231 7261 | Fax: +27 86 541 7948

Web: www.envirobiochem.co.za

Expiry Date:

Batch No:

Date of Manufacture:

UN No. 3077

WARNINGS:

Allow the following number of days between last application and harvest :

Grapes	28 days
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NOTE: Compliance with these withholding periods will ensure that residues do not exceed local Maximum Residue Limits, but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, Maximum Residue Limits and recommended withholding periods.

- Harmful if inhaled.
- May cause an allergic skin reaction.
- Very toxic to aquatic life with long lasting effects.
- Store in a cool place.
- Store away from food and feed.
- Keep out of reach of children, unformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing

Although this fungicide 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, climactic 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 fungicide 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 fungicide concerned due to failure of the user to follow the label instructions or to the occurrence of conditions that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

- Avoid release into the environment.
- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- Use only outdoors or in a well-ventilated area.
- **IF ON SKIN:** Wash with plenty of water and non-abrasive soap.
- **IF exposed or concerned:** Get medical advice/attention.
- If skin irritation or rash occurs: Get medical advice.
- Avoid drift of spray onto other crops, pastures, rivers, dams, boreholes and areas not under treatment.
- Dispose of contents/container in accordance with local/regional/ national regulations.
- Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the content of the spray tank. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

RELEVANT SUBSTANCES:

Cyprodinil: 37.5%

Fluidioxonil: 25%

RESISTANCE MANAGEMENT:

For resistance management, **VITAZEN** is a group code 9 and 12 fungicide. Any fungus population may contain individuals naturally resistant to **VITAZEN** and other group code 9 and 12 fungicides. The resistant individuals can eventually dominate

the fungus population if these fungicides are used repeatedly and exclusively in programs. These resistant fungi may not be controlled by **VITAZEN** or any other group code 9 and 12 fungicide.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes.
- Refer to individual product labels when alternating products or when using tank mixtures with products in fungicide group codes 7, 27, 28, 29, 30 and M.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.

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

PRODUCT PROPERTIES:

VITAZEN is a fungicide with translaminar, systematic and contact properties for the control of various diseases. Cyprodinil inhibits the bio-synthesis of amino acids and does not interfere in the synthesis of ergosterol. Cyprodinil is translaminar and acropetal with no basipetal translocation. Fludioxonil is a contact fungicide and inhibits the germination of conidia, the germ tube and mycelial growth.

FIRST AID TREATMENT:

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

INGESTION: Immediately call a POISON CENTER or doctor/physician.

SKIN CONTACT: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

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

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

Poisons Helpline: 0861 555 777

Compatibility:

The compatibility of **VITAZEN** with other products may be influenced by the formulation of the products involved as well as the quality of the water. Since the formulation of other products may change without the knowledge of Enviro Bio-Chem (Pty) Ltd. and the quality of water may vary from farm to farm, a physical compatibility test should always be carried out prior to application. **VITAZEN** is compatible with most fungicides used on grapes.

Mixing Instructions:

If **VITAZEN** is tank mixed with other products, add the products to the water in the spray tank in the following order: 1st **VITAZEN**, followed by mixing partners.

EXCEPTION: a mixing partner packed in a water-soluble bag must always be introduced first.

NOTE: do not prepare **VITAZEN** as a slurry add **VITAZEN** directly to the spray tank.

- Tractorised mistblower and air assisted sprayers.
- Fill the spray tank 1/3 with water.
- Remove the filter on the top of the tank. Pour the required quantity of product (with the pouring spout or with the measuring device), directly into the tank.

- Where tank mixtures are made – wait until VITAZEN is completely dispersed before introducing the partner product.
- Fill the tank with water.

Ensure thorough agitation of the mixture in the tank during mixing and spraying.

APPLICATION TECHNIQUES:

Ground application:

VITAZEN may be applied using conventional ground application equipment. Ensure complete coverage with medium to fine droplets. Calibrate the apparatus before application to ensure that the correct dosage per hectare is applied. Distribution of the spray mix must be uniform throughout the target area.

APPLICATION RATES:

CROP/DISEASE	DOSAGE
TABLE AND WINE GRAPES <i>Botrytis</i> <i>(Botrytis cinerea)</i>	40 g/100 ℓ water (minimum of 400 g/ha)
REMARKS: <ul style="list-style-type: none"> • VITAZEN may be applied during any two application stages, from full blossom (Application stage A), pea berry size (Application stage B) to colouring (Application stage C). • Follow a complete spray programme against <i>Botrytis</i> by applying unrelated fungicides for the rest of the application stages. • An appropriate water volume that will ensure good coverage is essential for effective disease control. 	