

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

CAPTAIN

South Africa Reg. No: L7778 Act No. 36 of 1947

FUNGICIDE GROUP CODE: 3

An emulsion oil in water systemic fungicide for the control of powdery mildew and scab on crops as listed

ACTIVE INGREDIENT:

Penconazole (Triazole).....200g/ℓ

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

HAZARD STATEMENTS

- May be fatal if swallowed and enters the airways.
- Causes skin irritation.
- Causes serious eye damage.
- May cause respiratory irritation.
- Suspected of damaging unborn child.
- Causes damage to lungs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- Do not eat, drink, or smoke when using this product.
- Dispose of contents in accordance with local/regional/national regulations.



DANGER

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. 3082

WARNINGS:

Withholding Periods: Do not harvest the crop within 14 days of the last application.

Apples and Pears	14 days
Wine Grapes	14 days
Table Grapes	14 days

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- Causes skin irritation.
- Causes serious eye damage.
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- Causes damage to lungs through prolonged or repeated exposure
- Suspected of damaging unborn child.
- Very toxic to aquatic life with long lasting effects.
- Store under lock and key, away from food and feedstuffs. Store in cool, well ventilated place.
- Store tightly closed and secured in original container.
- INFLAMMABLE – do not store or handle near open flames.
- In case of poisoning, CALL A DOCTOR IMMEDIATELY AND MAKE THIS LABEL AVAILABLE TO HIM.
- **Re-entry:** Do not enter the treated field until the 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 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 pest 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 that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

- Avoid breathing mist, vapours and spray.
- Wash hands, forearms, and face thoroughly after handling
- Do not eat, drink, or smoke when using this product.
- Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- Use only outdoors or in a well-ventilated area.
- IF exposed or concerned: Get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.
- After use and in case of accidental skin contact, wash thoroughly with soap and water.
- In the case of eye contact, rinse eyes with clean water for at least 15 minutes.
- Take off contaminated clothing and wash it before reuse.
- Prevent the contamination of food, feedstuff, eating utensils and drinking water.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams of areas not under treatment.
- 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:

Penconazole 20.4%

Sodium dodecylbenzene sulfonate <10%

Methyl naphthalene <15%

FIRST AID TREATMENT:

INHALATION: Remove to fresh air and administer artificial respiration if needed.

SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing.

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

INGESTION: Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to avoid aspiration. Keep patient at rest and transport to nearest medical facility for further treatment.

RESISTANCE WARNING:

For resistance management, **CAPTAIN** is a **group code 3** fungicide. Any disease population may contain individuals naturally resistant to **CAPTAIN** and other **group code 3** fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. **CAPTAIN** or any other **group code 3** fungicides may not control these resistant plant diseases.

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.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

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

DIRECTIONS FOR USE: Use only as indicated

Compatibility:

The compatibility of **CAPTAIN** may be influenced by the formulation of the product involved as well as quality of the water.

A physical compatibility test should always be carried out prior to application.

Mixing Instructions:

Pre-mix the required quantity of **CAPTAIN** with a small volume of clean water. Half fill the spray tank with clean water and add the mix while stirring. Add water to the desired spray volume. Keep the spray mixture agitated during mixing and spraying.

Tank Mixes: When combined with a wettable powder, first add the pre-creamed wettable powder, agitate thoroughly and then add the **CAPTAIN** last.

Application Techniques:

Apply with any high volume sprayer with efficient agitation that provides adequate coverage and even distribution on the target crops.

CROP	DOSAGE	REMARKS
TABLE - WINE GRAPES Powdery Mildew (<i>Oidium Tuckeri</i>)	<u>At spray intervals of</u> 10 to 14 days: 15mℓ/100ℓ water	Apply as a full cover spray to the point of run-off. Commence spraying when the first shoots are 10 to 25cm long and repeat at intervals as recommended. The spray intervals should not be exceeded. For spray intervals longer than 14 days use the higher dosage. <u>Wine grapes:</u> Increase spray volumes from 250ℓ/ha initially to reach 1 000ℓ/ha at pea-berry stage and repeat for the balance of the season at this volume. <u>Table grapes:</u> Increase spray volumes from 500ℓ/ha to 1 200ℓ/ha.
	OR <u>At spray intervals of</u> 18 to 21 days: 22.5mℓ/100ℓ water	
APPLES Powdery Mildew (<i>Podosphaera Leucotricha</i>), & Scab (<i>Venturia Inaequalis</i>)	12.5mℓ/100ℓ water	Repeat sprays at the indicated intervals: Apply sprays every 7 days pre-blossom stage till the end of blossom and every 14 days during post-blossom stage. Add 50 to 75% of the recommended dosage rate of a registered and suitable broad spectrum fungicide.
PEARS Scab (<i>V. pirina</i>)		NOTE: Compatibility test should be done prior to the application.

NOTE: Ensure that the correct amount of fungicide is applied per hectare.

1. Tree Row Volume Formula (TRV): $l/ha = \frac{\text{Tree height} \times \text{Tree diameter} \times 937}{\text{Row width}}$

OR

2. Water required per ha according to growth stages:

GROWTH STAGE	% HIGH VOLUME WATER REQUIREMENTS/HA
From greentip to 30% blossom	60%
From full blossom to mid-November	80%
From start of December	100%