


CHRONOS 45 EC

Reg. no. L5589 Act/Wet 36 of/van 1947

**READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

GROUP	3	FUNGICIDE
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An emulsifiable concentrate fungicide for the control of the diseases mentioned on the crops listed.	'n Emulgeerbare konsentraat swamdoder vir die beheer van die siektes vermeld op die genoemde gewasse.
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 <p>WARNING</p>	<p>Hazard statements Very toxic to aquatic life with long lasting effects.</p>
	<p>Precautionary statements Avoid release to the environment. Collect spillage.</p>

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

prochloraz (imidazole) 450 g/L prochloras (imidasool)

NET VOLUME/NETTO VOLUME

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REGISTRATION HOLDER/REGISTRASIEHOUER

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IN CASE OF POISONING, CALL THE FOLLOWING NUMBERS:

Griffon Poison Information Centre:
+27 82 446 8946 or
Tygerberg Poison Information Centre:
+27 861 555 777

EMERGENCY NUMBER:

SPILL TECH: +27 86 100 6366 or +27 83 253 6618

UN no.: 3082

Batch number
Date of manufacture
Expiry date

Lotnommer
Datum van vervaardiging
Vervaldatum



GHS information

WARNINGS

- Very toxic to aquatic life with long lasting effects.

- Could be poisonous by contact, swallowing or inhalation.
- Toxic to wildlife.
- Store in a cool place away from food and feedstuffs.
- Do not handle near open fires and sparks.
- **RE-ENTRY INTERVAL:** Do not enter treated area within 1 day after treatment 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 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, and 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

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Avoid release to the environment.
- Collect spillage.
- Dispose of contents/ container to an approved waste disposal plant.

- Avoid inhalation of spray mist and fumes.
- Always wear protective clothing (rubber boots, gloves and face-shield).
- Wash contaminated clothing daily.
- In case of skin contact wash thoroughly with soap and water.
- Do not eat, drink or smoke while applying or preparing the spray mist, or before washing face and hands.
- Prevent contamination of food, feed, drinking water and eating utensils.

- Clean applicator before using for other materials and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Invert the empty container over the spray, dip or mixing tank and allow to drain 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 rinsings to the contents of the dip or spray tank before destroying the container in the prescribed manner. Destroy empty container by perforation and flattening and never use for any other purpose.

RELEVANT SUBSTANCES

Chemical name	w/w %	CAS no.
Prochloraz	30 – 60%	67747-09-5
Rosin, methyl ester	10 – 30%	68186-14-1
Butyrolactone	<10%	96-48-0
Butan-1-ol	<10%	71-36-3

FIRST AID

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider: Pay attention to self-protection.

Take the container label or product name with you when seeking medical attention.

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Inhalation: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Ingestion: If conscious, rinse mouth thoroughly with water. Drink plenty of water. Never give anything by mouth to an unconscious or convulsing person. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomit, rinse mouth and administer more water. If symptoms persist, call a physician.

TOXICOLOGICAL INFORMATION

Antidotes

No specific antidote. Treat symptomatically.

Symptoms of human poisoning

None known.

RESISTANCE WARNING



For resistance management **CHRONOS 45 EC** has been classified as a group code 3 fungicide. Any fungus population may contain individuals naturally resistant to **CHRONOS 45 EC** and other group code 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **CHRONOS 45 EC** or any other group code 3 fungicides. 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.
- For tank mixing or alternation with products in other fungicide group codes, refer to applicable individual product labels.
- Integrate the control methods (chemical, cultural, biological) into fungicide control programmes.

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

MODE OF ACTION

3: Sterol biosynthesis in membranes: Demethylation inhibitor (DMI).

DIRECTIONS FOR USE

Use only as directed.

NOTICE TO THE USER: This agricultural remedy is to be used only in according to the directions of this label. It is an offense under the Act to use this product inconsistent with the directions on the label.

Compatibility

Compatible with 2,4-D (sodium salt) and thiabendazole.

Mixing instructions

Half fill the dip/spray tank with clean water. Shake the **CHRONOS 45 EC** container thoroughly, immediately before use. Measure the required volume **CHRONOS 45 EC** and pre-mix this with at least 10 L of water. Agitate the mixture in the dip/spray tank and add the pre-mixed product. Fill the dip/spray tank with water to the required level while maintaining agitation to ensure thorough mixing of the dip or spray mixture before dipping or spraying commences. Maintain agitation while dipping or spraying. Prepared dip or spray mixture must not be left in the dip or spray tank for any length of time, e.g. overnight. Ensure that agitation takes place for a few moments prior to commencement of dipping or spraying after normal operation stop, e.g. lunch breaks.

APPLICATION RATES

CROP AND DISEASE	DOSAGE	REMARKS
<p>Avocados</p> <p>Post-harvest control of anthracnose, stem-end rot, <i>Dothiorella/Colletotrichum</i> complex fruit rot</p>	<p>Spray-on treatment</p> <p>1 100 ml/100 L water (5000 ppm active ingredient)</p>	<p>Apply as a low volume application using approximately 1.6 L spray emulsion per ton of fruit. Apply on the conveyor belt system where fruits are rolling to expose all surfaces or where brushing is taking place. This application should take place before wax is applied.</p>
<p>Bananas</p> <p>Post-harvest control of collar rot</p>	<p>Dip treatment</p> <p>30 ml/100 L water (135 ppm active ingredient)</p>	<p>Cut bunches into hands and dip each individual hand for 5 seconds in the fungicide emulsion.</p> <p>Note: Care must be taken that the concentration of the dip remains constant by topping up regularly with an emulsion made up in the proportion 30 ml CHRONOS 45 EC: 100 L water. Stir the emulsion regularly.</p>
<p>Citrus</p> <p>Post-harvest control of green mould and blue mould</p>	<p>Brush-on treatment</p> <p>330 ml/100 L water (1500 ppm active ingredient)</p>	<p>Apply during the fruit brushing process before the application of fruit wax. Use in combination with 2,4-D (sodium salt) and thiabendazole. Follow the directions mentioned on those product labels.</p>
<p>Mangoes</p> <p>Post-harvest control of anthracnose and the suppression of soft brown rot</p>	<p>Export market</p> <p>180 ml/100 L</p> <p>Local market</p> <p>90 ml/100 L</p>	<p>Dip fruit for 20 seconds in the fungicide emulsion at room temperature.</p> <p>Important: Fruit should be pre-dipped in hot water for 5 minutes. Water temperature should not exceed 50°C, especially during the early part of the season and especially with the cultivars Zill and Irwin. Phytotoxicity with hot water alone can be experienced during certain seasons.</p> <p>Dip fruit for 2 minutes in a hot fungicide emulsion. The water temperature should not exceed 50°C especially during the early part of the season and especially with the cultivars Zill and Irwin. Phytotoxicity with hot water alone can be experienced during certain seasons.</p>

NB: Please refer to mixing and dipping instructions.