

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

CopX

South Africa Reg. No: L11675 Act No. 36 of 1947

FRAC FUNGICIDE GROUP CODE: M 01

A Copper hydroxide containing suspension concentrate contact fungicide and bactericide for the control of diseases in crops as indicated.

ACTIVE INGREDIENT:

Copper Hydroxide.....	538g/ℓ
(Metallic copper equivalent.....)	350g/ℓ)

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

HAZARD STATEMENTS

- Harmful if swallowed or inhaled
- Causes serious eye damage.
- Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- Obtain special instruction before use.
- Do not handle until all safety precautions have been read and understood.



DANGER

enviro
bio-chem

Registration holder: Enviro Crop Protection (Pty) Ltd

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

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Expiry Date:

Batch No:

Date of Manufacture:

UN No. 3082

WARNINGS:

GHS Hazard Statements

- Harmful if swallowed
- Harmful if inhaled
- Causes serious eye damage
- Very toxic to aquatic life with long-lasting effects

Withholding periods: (Minimum number of days between last application and harvest):

Apples	14 days	Grapes (Wine)	21 days
Avocados	14 days	Lettuce	14 days
Beans	3 days	Mangoes	14 days
Cabbages	3 days	Peaches	14 days
Citrus	14 days	Pears	14 days
Coffee	14 days	Potatoes	14 days
Grapes (Table)	4-6 weeks		

General

- Keep out of reach of children, uninformed persons and animals
- In case of exposure, seek medical attention and provide the SDS and this label to medical personnel for treatment.
- Conditions for safe storage: Minimum storage temperature: 5 °C. Maximum storage temperature: 30 °C. Maximum storage time: 24 Months.
- RE-ENTRY INTERVAL – Do not enter treated area within 2 days after treatment unless wearing protective clothing

Although this remedy has been extensively tested under a wide 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 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 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 product concerned due to failure of the user to follow the label instruction 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:

- Obtain special instruction before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing fume/mist/vapours or spray
- 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 and face protection
- Wash hand and face thoroughly after handling. Do not touch eyes.

- Avoid spray drift onto other crops, grazing, rivers or dams.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- **CopX** should not be applied in a spray solution having a pH of less than 6.5 as phytotoxicity may occur.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

RELEVANT SUBSTANCES:

The inert ingredients, do not cause or contribute towards the correct GHS classification of **CopX** and is therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

FIRST AID TREATMENT:

Inhalation: Remove the affected patient from the exposure area to fresh air. If breathing is difficult, have a qualified person administer oxygen. If breathing has stopped, give artificial respiration. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the product; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If the patient is conscious, rinse nose, mouth and throat with water. Keep person at rest and warm. Obtain medical advice.

Skin contact: Remove all contaminated clothing. Rinse the skin with plenty of cold water for 15 to 20 minutes under the safety shower. Do not rub the skin. Get medical attention if irritation develops or persists. Wash clothing before re-use.

Eye contact: Immediately rinse/flush eyes with water from the eye wash fountain for several minutes - at least 15 minutes, lifting lower and upper eyelids occasionally. Check for and remove any contact lenses if easy to do so after 5 minutes of rinsing. Do not rub eye/s. Obtain immediate medical attention.

Ingestion / Aspiration: Have victim rinse mouth thoroughly with water. Do not induce vomiting unless directed by medical personnel. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits. Never give anything by mouth to an unconscious person. Seek medical advice if necessary or contact a Poison Centre.

RESISTANCE WARNING:

For resistance management, **CopX** is a FRAC group M1. Any fungus population may contain individuals naturally resistant to **CopX** and other group M1 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **CopX** or any other group M1 fungicides.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group. Alternate or tank mix with registered products from different fungicide groups.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.

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

MODE OF ACTION

Chemical with multi-site activity, considered as a low resistance risk group.

USER RESTRICTIONS

Avoid copper accumulation in the soil.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

Do not apply CopX in combination with any acidifying products such as zinc nitrate, ammonium sulphate, amino-acid chelated foliar fertilizers or any other acidifying products. Do not apply citric acid containing products such as potassium citrate or calcium or magnesium citrate in combination with or within 30 days after a CopX application. Do not apply CopX with any buffers or acidifiers, or any other adjuvants before consulting a qualified agronomist.

Environmental conditions: Do not apply CopX under adverse weather conditions causing stress to the crop, such as high or low temperatures, high or low humidity, rain or frost. Do not apply when the fruit is still wet as a result of rain or dew. Do not apply CopX during the night.

Important: It is essential that CopX be kept agitated throughout the entire mixing and spraying operation. CopX is a preventive fungicide and applications must be carried out before or just as the first signs of the disease are noticed.

Citrus: Successive CopX applications, adverse environmental conditions, late applications (March-April) or acidifying products can cause stippling of fruit. To avoid stipple formation, replace every second application with mancozeb. Do not apply CopX with any buffers or acidifiers, or any other adjuvants before consulting a qualified agronomist.

CROP	DISEASE	DOSAGE PER 100LWATER	MAXIMUM L CopX PER HECTARE	REMARKS
Avocados	Fruit spot (<i>Pseudocercospora perpurea</i>)	120ml	12L	Apply 3 full cover applications. Start applications early in November and repeat every 4 weeks.
Beans	BACTERIAL BLIGHT: HALO BLIGHT (<i>Pseudomonas phaseolicola</i>) COMMON BLIGHT (<i>Xanthomonas phaseoli</i>)	150ml	1,9L	Apply every 7 - 14 days depending on disease pressure. Spray immediately after heavy rain, hail or dust storms. Ground application: Depending on plant size, use 500 - 1 000L spray mixture/ha. Aerial application: Apply in 30 – 40L water/ha

CROP	DISEASE	DOSAGE PER 100L WATER	MAXIMUM L CopX PER HECTARE	REMARKS
Cabbages	Bacterial Spot (<i>Pseudomonas maculicola</i>) Downy Mildew (<i>Peronospora parasitica</i>)	150ml	1,5L	Apply at 7 – 14 day intervals. Ensure good coverage.
Citrus	Black spot (<i>Phyllosticta citricarpa</i> / <i>Guignardia citricarpa</i>)	120ml	15L	Start applications before mid-October. Apply 3 high volume sprays at 30 day intervals during the susceptible period from October to end December. During a high rainfall season, a fourth application may be necessary.
	Alternaria spot (<i>Alternaria alternate</i> pv. citri)	150ml OR 75ml+ 100g Mancozeb	15L 8L	Apply as a high volume cover spray. Begin applications at first flush and repeat every 28 days until harvest
Coffee	Rust (<i>Hemileia vastatrix</i>)	190ml	3,5L	Apply as a full cover application. Begin application in October/November and repeat 4-5 times with 4 week intervals. Apply at least 1000L spray mixture per hectare.
GRAPES (Table and Wine Grapes)	Downy mildew (<i>Plasmopara viticola</i>)	120ml	2L	Start applications when shoots are approximately 10cm long and repeat every 10-14 days depending on weather conditions. Ensure good coverage of the vines. Increase the spray volume progressively from 500L– 1500L spray mixture per ha, depending on the vine growth. Do not apply after pea berry stage (4 weeks before harvest).
Lettuce	Leaf spot (<i>Pseudomonas cichorii</i> , <i>Septoria lactucae</i>)	150ml	1,5L	Begin spraying 2 weeks after plants have established and repeat at 7 – 14 day intervals. Ensure good coverage.
Mangoes	Bacterial spot (<i>Pseudomonas mangiferae-indicae</i>)	120ml	13,5L	Apply at 2-4 week intervals from just after fruit set. Apply as a high volume cover spray.

CROP	DISEASE	DOSAGE PER 100LWATER	MAXIMUM L CopX PER HECTARE	REMARKS
Ornamentals	Black spot - Roses <i>(Actinonema rosae)</i>	225ml		Apply at first signs of disease symptoms and repeat as necessary with 7 – 10 day intervals.
	Rust <i>(Uromyces spp.)</i> Gladiolus and Carnations			
	Downy mildew <i>(Peronospora spp.)</i>	375ml		Apply as a full cover spray. Apply every 7 to 14 days, depending on weather conditions, favourable for disease development.
	Leaf spot <i>(Alternaria spp.)</i>			
POME FRUIT (Apples & Pears)	Scab <i>(Venturia inaequalis)</i>	60ml		Apply 2 applications with a 7 day interval. Apply only at green tip stage.
Potatoes	Early blight <i>(Alternaria solani)</i>	120ml	2,25L	Start application before or just when symptoms are noticed. Apply every 7-10 days depending on weather conditions. Apply in 500-1500L water/ha, depending on plant size.
	Late blight <i>(Phytophthora infestans)</i>	150ml	2,25L	Start preventative application before signs of the disease. Apply at 7 – 10 day intervals.
Seedlings	Damping Off and other Soil Fungi	200ml		Apply at the rate of 15L mixture/10m2 on seedbeds.

CROP	DISEASE	DOSAGE PER 100LWATER	MAXIMUM L CopX PER HECTARE	REMARKS
STONE FRUIT (Plums) Note: Do not apply to the cultivar Ruby Nel. Do not apply in combination with stickers and spreader	Bacterial Spot <i>(Xanthomonas campestris pv. pruni)</i>	150ml	5L	At Bud Swell Stage: Apply as a high volume spray using 1200 – 2000L spray mixture per hectare.
		75ml+ 200g spray lime	10L	Period 90% petal drop to 14-21 days before harvesting: Moderately infected orchards: Apply as a high volume spray using 1200 – 2500L spray mixture per hectare.
		150ml+ 200g spray lime	5L	Severely infected orchards: Apply as above.
		150ml+ 200g spray lime	5L	75% Leaf drop: Apply as a single application using 1500 – 2500L spray mixture per hectare.
STONE FRUIT Peaches, Nectarines	Leaf curl <i>(Taphrina deformans)</i>	155ml	10L	Apply as a full cover spray at 60% leaf drop and at bud swell. Use 1200 – 2000L pray mixture per hectare.