



FUNGICIDE



DOWNY MILDEW



LATE BLIGHT



DOWNY MILDEW

# Coptin

Reg. No. N-AR 1869 Act No. 36 of 1947

Reg. No. L9377 Act No. 36 of 1947

**FRAC FUNGICIDE GROUP CODE M1 + 30**

**A contact suspension concentrate fungicide for the control of diseases in crops as listed.**

### Active Ingredients:

Basic copper sulphate	320 g/l
(metallic copper equivalent)	180 g/l
Fentin hydroxide (organic tin)	50 g/l



Registered, Manufactured and Distributed by:  
**Rolfes Agri (Pty) Ltd.**  
 (Reg. No. 1998/013411/07)  
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**IN CASE OF POISONING PLEASE PHONE 082 466 8946**  
**UN NO.: 3082**  
 SEE CONTAINER FOR BATCH DETAILS  
 COUNTRY OF ORIGIN: REPUBLIC OF SOUTH AFRICA  
 VERSION ROLFES AGRI: 01/2019



**HARMFUL**



**SHAKE WELL** Shake well before use • Store at room temperature  
Keep out of direct sunlight • Keep container closed when not in use



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**WARNINGS:**

- **Withholding periods:** Minimum number of days between last application and harvest:  
Onions, Potatoes.....14 days
- Handle with care.
- Harmful if swallowed.
- Irritating to eyes, skin and by inhalation.
- Toxic to fish and other animals.
- Store away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- In the case of a poisoning, call a doctor immediately and present this label.
- **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 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 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:**

- Do not inhale spray mist.
- Wear rubber gloves, eye and face protection whilst mixing and applying.
- Do not eat, drink or smoke whilst mixing or applying, or before washing hands and face.
- Wash with soap and water after application or skin contact. Also then change and wash your work clothes and wash yourself.
- If you spill it on your clothes, change and wash them before wearing them again.
- If any product comes into the eyes, immediately flush them with clean water for at least 15 minutes.
- While spraying, avoid contact with the spray as much as you can. Avoid spray drift onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Prevent contamination by the product of food, feed, drinking water and eating utensils.
- Rinse the container three times. For each rinse add clean water, to the volume of a quarter of the container, close the cap and agitate or shake well. Decant the rinse water into the spray tank
- Puncture the container. Keep caps separated and hand over to one of the CropLife South Africa approved collectors or recyclers.

**FIRST AID:****Ingestion:**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Give some water

to the person to drink, but only if the person is fully conscious. Seek medical attention immediately.

**Skin contact:**

Causes irritation of the skin and mucous membranes. Remove any contaminated clothing. Wash the skin thoroughly with soap and plenty clean water for at least 15 minutes. Seek medical attention if any symptoms worsen or persist.

**Eye contact:**

Causes irritation of the eyes. Immediately flush with plenty clean water for at least 15 minutes. Check for, and remove if present, any contact lenses, after the first 5 minutes of flushing, and then continue flushing. Seek medical attention if any symptoms worsen or persist.

**Inhalation:**

Inhalation may cause irritation of the linings of the respiratory tract. Immediately move the person to fresh air. Seek medical attention if any symptoms worsen or persist.

**RESISTANCE WARNING:**

For resistance management, **COPTIN** is a group code M1 and 30 fungicide. Any fungus population may contain individuals naturally resistant to **COPTIN** and other group code M1 and 30 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **COPTIN** or any other group code M1 and 30 fungicides.

**To delay fungicide resistance:**

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered 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.

**COMPATIBILITY:**

Do not use with surfactants, spreaders or stickers. The use of other agrochemicals (including other agricultural remedies and certain types of fertilisers) together with **COPTIN** may also result in phytotoxicity. Avoid using **COPTIN** in combination (mixture) with other agrochemicals unless the products (mixtures) have been specifically proven to be non-phytotoxic to the crop.

**COPTIN** is not compatible with amino acid chelates (such as those in the **PRO NUTECH** and **CARBOLGY®** ranges) as well as any foliar feeds containing organic acids, e.g., **ONLY-K**.

**DIRECTIONS FOR USE: USE ONLY AS INDICATED****MIXING INSTRUCTIONS:**

Half-fill the spray tank half with clean water. Begin agitation and add the recommended amount of **COPTIN** to the clean water. Complete the filling of the spray tank with more water and agitate thoroughly throughout the spraying operation. Do not leave the spray mixture overnight.

**FOLIAR APPLICATION:**

Ensure full coverage of leaf surfaces.

CROP/ DISEASE	DOSAGE RATE	REMARKS
<b>Potatoes</b> Late blight ( <i>Phytophthora infestans</i> )	2 ℓ / ha	Begin preventive application before the first signs of the disease, depending on conditions favouring late blight infections. Apply at 7 – 10 day intervals. If late blight is present in a field, spray intervals should be shortened to 5 days. <b>Low volume application:</b> Apply in 200 – 300 ℓ water per ha. <b>High volume application:</b> Apply 1500 ℓ spray mixture per ha. Ensure full coverage of both upper and lower leaf surfaces. Repeat application after more than 13 mm of rain or overhead irrigation.
<b>Onions</b> Downy mildew ( <i>Peronospora destructor</i> )	200 mL / 100 ℓ water	Apply 3 – 4 applications with 10 – 14 day intervals. Apply in 300 – 500 ℓ water / ha, depending on plant size. Start as soon as the disease is noticed, or when weather conditions are conducive to the development of the disease. Ensure complete spray coverage.