

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Fungicide



FUNGI FLOW

Reg. No. L 6925 Act/Wet No. 36 of/van 1947

2: 14/01/01 – May2017

A copper containing solution contact fungicide and bactericide for the preventative control of diseases as indicated on the crops listed.

'n Koperbevattende oplossing kontak swamdoder en bakteriedoder vir die voorkomende beheer van siektes soos vermeld op die genoemde gewasse.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

copper ammonium acetate **315 g/l** koper ammonium asetaat
(copper equivalent 93 g/l koperekwivalent)

FRAC FUNGICIDE GROUP CODE **M1** FRAC SWAMDODER GROEPKODE



villa

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07

PO Box / Posbus 10413, Aston Manor, 1630

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UN Number: 3082

Willow Set & Print 011 394-4486



CAUTION
VERSIGTIG



GEBRUIKSAANWYSINGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:

Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED

REFER TO DETAILS PRINTED
ON CONTAINER/BAG

Batch number:

Lotnummer:

FUNGI FLOW

Reg. No. L 6925 Act/Wet No. 36 of/van 1947

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ACTIVE INGREDIENT / AKTIEWE BESTANDEEL:copper ammonium acetate / koper ammonium asetaat315 g/l
(copper equivalent / koperekwivalent)93 g/l

Registration holder / Registrasiehouer:

VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07 Mpy. Reg. Nr.

PO Box / Posbus 10413

ASTON MANOR, 1630 Tel. (011) 396 2233

CAUTION / VERSIGTIG**WARNINGS****Withholding periods:**

Minimum time between the last application and harvest or feeding:	
Apples, Avocados, Mangoes & Peaches	14 days
Beans	3 days
Cruciferae	3 days
Cucurbits	3 days
Grapes (Table)	4 to 6 weeks
Grapes (Wine)	21 days
Potatoes	14 days
Tomatoes	3 days

IN THE CASE OF CROPS INTENDED FOR EXPORT, CONFIRM WITHHOLDING PERIODS WITH THE RELEVANT EXPORT ORGANISATION. IF THIS PRODUCT IS USED ACCORDING TO THE RECOMMENDATIONS ON THIS LABEL, LOCAL MRL VALUES WILL NOT BE EXCEEDED. HOWEVER, VILLA CROP PROTECTION (PTY) LTD. CANNOT ACCEPT RESPONSIBILITY FOR EXPORTED CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

- Handle with care.
- Toxic when swallowed.
- May irritate the skin and eyes.
- Store away from food and feeds in a cool, dry place.
- Keep out of reach of children, animals and uninformed persons.

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 to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further 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 event of any uncertainty.

PRECAUTIONS

- Do not inhale the spray mist.
- Wear protective clothing, a face shield and rubber gloves while handling the product.
- Wash with soap and water after use.
- Do not eat, drink or smoke whilst mixing and applying, before washing hands and face or change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean the applicator thoroughly after use and dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining 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 a third of that of

the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.

- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- The stability and efficacy of **FUNGI FLOW** is pH dependant and the product should preferably not be used together with acidifying agents, buffers or phosphorous agents.
- For optimum results, the final tank mixture should be at a pH of 7.

IMPORTANT

- It is essential that **FUNGI FLOW** be kept agitated throughout the entire mixing and spraying operation.
- **FUNGI FLOW** must be applied within one hour of the product being diluted with water.
- All containers containing the concentrated product must be sealed properly once opened, to prevent the loss of ammonia and the possible formation of crystals.
- **FUNGI FLOW** is a preventative product and application must be carried out before or just as the first signs of the diseases are noticed.

APPLICATION RATES

Crop / Disease	Dosage Rate	Remarks
Apples Scab (<i>Venturia inaequalis</i>)	250 ml / 100 ℓ water	Spray at green tip stage. Apply two applications, 7 days apart.
Avocados Cercospora spot, Anthracnose (<i>Colletotrichum</i>) & Sooty blotch	500 ml / 100 ℓ water	Use FUNGI FLOW preferably during low infections. The product is suitable as a last spray in a spray programme.
Beans Bacterial blight (Common & Halo)	500 ml / 100 ℓ water	Apply sprays every 7 to 14 days, depending on the disease pressure. Spray immediately after rain, hail or dust storms.
Cabbage Downy mildew (<i>Peronospora parasitica</i>)	500 ml / 100 ℓ water	Apply under pressure till run-off. Apply weekly, depending on disease development. Ensure thorough wetting. Apply preventatively.
Cucurbits Downy mildew (<i>Pseudoperonospora cubensis</i>)	400 ml / 100 ℓ water	Apply at an early vineing stage, when disease is expected. Only use as a preventive spray. After the disease has established itself, a systemic fungicide must be used. Do not spray during hot, dry conditions.
Grapes Nurseries Downy mildew on cuttings (<i>Plasmopara viticola</i>)	500 ml / 100 ℓ water	Apply approximately 1000 litres spray mixture per hectare to the cuttings. Spray at least 4 times at weekly intervals. Use as a preventive measure.
Grapes Downy mildew (<i>Plasmopara viticola</i>)	500 ml / 100 ℓ water	Apply as preventive sprays at the post blossom stage, every 7 to 10 days, depending on the weather conditions. Apply 1000 to 1500 litres spray mixture per hectare.
Mangoes Bacterial spot (<i>Xanthomonas campestris pv. mangiferae indicae</i>)	500 ml / 100 ℓ water	Apply from just after fruit set, until harvest, at 2 to 4 week intervals. The product is especially suited for the last 2 sprays at the end of a spray programme.
Peaches Gum spot (<i>Stigmina carpophila</i>)	400 ml / 100 ℓ water	Apply at approximately 50 % leaf drop stage. Add 200 g spray lime to each 100 litres of spray mix.

Crop / Disease	Dosage Rate	Remarks
Potatoes Early blight	500 ml / 100 ℓ water	Commence spraying before or just when the first symptoms are noticed. Apply every 7 to 10 days, depending on the weather conditions, which favour development of this disease. Depending on the plant size, apply at a rate of 500 to 1500 litres spray mixture per hectare. Ensure that both upper and lower leaf surfaces are treated. Repeat the application after more than 13 mm of rain or overhead irrigation.
Late blight	500 ml PLUS 200g Mancozeb per 100 ℓ water (tank mix)	Apply the tank mixture at 7 to 10 day intervals as a preventative spray. Depending on plant size, apply at a rate of 500 to 1500 litres spray mixture per hectare. Ensure that both upper and lower leaf surfaces are treated. Repeat the application after more than 13 mm of rain or overhead irrigation.
Roses Black spot, Downy mildew & Rust	500 ml / 100 ℓ water (5 ml / 1 ℓ water)	Wet the leaves thoroughly. Spray every second week. Use a systemic fungicide as a curative spray, if the disease is already in progress. Follow up with FUNGI FLOW .
Tomatoes Early blight	500 ml / 100 ℓ water	Start the application shortly after transplant, when plants are 15 cm high and before symptoms appear. Apply every 7 to 10 days depending on the weather conditions, which favour the development of this disease. Depending on the plant size, apply at a rate of 500 to 2000 litres spray mixture per hectare. Ensure that both upper and lower leaf surfaces are treated. Repeat the application after more than 13 mm rain or overhead irrigation.
Bacterial spot & Bacterial speck	500 ml / 100 ℓ water	Apply as a preventive spray at 7 to 10 day intervals. Depending on plant size, apply at a rate of 500 to 1500 litres spray mixture per hectare. Ensure that both the upper and lower leaf surfaces are treated. Repeat the application after more than 13 mm of rain or overhead irrigation.
Bacterial speck (on seedlings)	500 ml / 100 ℓ water (5 ml / 1 ℓ water)	Spray the seedlings at weekly intervals, with a hollow cone spray.