

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



Fungicide

CAPTAN 800 WG

Reg. No. L 9249 Act No. 36 of 1947
N-AR 2180

4. 28/10/2024 – Nov2024

A water dispersible granule contact fungicide for the control of diseases on crops as listed.

ACTIVE INGREDIENT

captan (phthalimide) 800 g/kg

GROUP

M4

FUNGICIDE



DANGER

Hazard Statements:

May be harmful if swallowed.
Harmful in contact with skin.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Toxic if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing cancer.

Precautionary Statements:

Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

kg

villa



UN Number: 2588

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1983/008184/07
65 Botes Road, Glen Marais, Kempton Park, 1619
Tel. (011) 396 2233
Website: www.villacrop.co.za

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:

Griffon Poison Information Centre (National): +27 82 446 8946

Poison Information Helpline (National): +27 861 555 777

24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

DIRECTIONS FOR USE ENCLOSED
Batch Number: _____
Expiry Date: _____
Date of Manufacture: _____

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

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FRAC FUNGICIDE GROUP CODE: M4

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P.O. Box 801, KEMPTON PARK, 1620, Tel. (011) 396 2233

WARNINGS**Withholding periods:**

Allow the following withholding period between the last application and harvest or feeding:	
Apples, Apricots, Blackberries, Boysenberries, Cranberries, Guavas, Olives, Peaches, Pears, Plums, Potatoes and Quinces, Raspberries, Youngberries.	14 days
Blueberries and currants	10 days
Strawberries	10 days
Table grapes (do not apply after pea size)	4 to 6 weeks
Tomatoes	7 days

IMPORTANT

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, UNIVERSAL CROP PROTECTION (PTY) LTD. CANNOT ACCEPT RESPONSIBILITY FOR EXPORTED CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

Hazard statements:

May be harmful if swallowed.
Harmful in contact with skin.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Toxic if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing cancer.
Very toxic to aquatic life

- Store in a cool place.
- Store away from food, feed, fertilizer and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry** – Do not enter treated area until 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 effective under all conditions. The activity 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, 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 by 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.

Precautionary statements:

Obtain, read and follow all safety instructions before use.
Avoid breathing dust, mist, or spray.
Wash hands and face thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
In case of inadequate ventilation wear respiratory protection.
IF SWALLOWED: Get medical help.
IF ON SKIN: Wash with plenty of water and non-abrasive soap. Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
IF exposed or concerned, get medical advice.
If skin irritation or rash occurs: Get medical help.
If experiencing respiratory symptoms: Get emergency medical help immediately
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- TRIPLE RINSE EMPTY PLASTIC BAG AS FOLLOWS:** Turn the bag inside out hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the bag to any other parties that may use it as container for foodstuffs.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
Captan	80 %
Sodium salt of naphthalene sulfonate condensate	<10 %
Alkylnaphthalene sulfonate	<5 %

FIRST AID MEASURES

- General advice:** Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure and consult a doctor. If exposed or concerned, get medical advice.
- Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. **Get emergency medical help immediately** if irritation occurs.
- Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation or rash occurs.**
- Eyes:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after five (5) minutes and continue rinsing. **Seek medical attention.**
- Ingestion:** **Seek medical attention** or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

Advice to physician: Treat symptomatically and supportively. No specific antidote known.

RESISTANCE WARNING

CAPTAN 800 WG is a group code M4 fungicide. Any fungi population may contain individuals naturally resistant to **CAPTAN 800 WG** and other group code M4 fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **CAPTAN 800 WG** or any other group code M4 fungicide.

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.
- A spray programme of mixtures or alternations with remedies with a different mode of action may delay resistant strain build-up.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **CAPTAN 800 WG** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to prompt use of a fungicide with a different mode of action for which there is no record of resistance to the relevant disease.

MODE OF ACTION

Captan is a non-systemic fungicide with protective and curative activity. Possibly degrades, via hydrolysis, to the corresponding thiophosgene, which may be the biologically active species. Chemically reacts, non-specifically, with thiols, inhibiting respiration.

USE RESTRICTIONS

- **CAPTAN 800 WG** must not be applied to any crop suffering from stress as a result of drought, water logging, low temperature, insect attack, nutrient or lime deficiency or other factors reducing crop growth.
- Spray programmes with **CAPTAN 800 WG** should commence before disease/s become established.
- In table grapes, **do not** apply after berries have reached pea size as this may cause tarnishing.
- Do not apply **CAPTAN 800 WG** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **CAPTAN 800 WG** using an accurate and safe application technique.
- If **CAPTAN 800 WG** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Universal Crop protection (Pty) Ltd instructions on this label are not adhered to, unless a Villa Crop Protection (Pty) Ltd representative was consulted beforehand.

DIRECTIONS FOR USE: Use only as directed.

Mixing Instructions:

- Mix the required quantity of **CAPTAN 800 WG** with a small volume of water into a slurry.
- Half-fill the spray tank with suitable water, then add the premix to the water in the tank while agitating.
- Fill the spray tank to the desired volume.
- Should tank mixtures with other products be made, follow the respective manufacturers' label recommendations.
- **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.**
- Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

Compatibility:

- The compatibility of **CAPTAN 800 WG** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used.
- As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.
- **CAPTAN 800 WG** is compatible with most non-alkaline agricultural remedies normally used.

APPLICATION METHODS

- Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application.

- **CAPTAN 800 WG** can be applied with conventional high-volume spray equipment.
- **Constant agitation throughout the spray operation is essential.**
- Only clean water should be used.
- **If rain occurs within two (2) hours after treatment, the product performance may be affected, and the application must be repeated.**

RECOMMENDATIONS

SITUATION	APPLICATION RATE	REMARKS
<u>Apples and Pears</u> <i>Post harvest decay</i>	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	Apply as a wash to walls and floors to aid disinfection. Only for use on empty premises.
<i>Scab (Venturia inaequalis)</i>	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	Do not use in combination with sulphur or after a Lime sulphur application, especially on White Winter Pearmain. Pre-blossom: Commence at green tip stage and repeat at 7 day intervals. Post-blossom: Continue with 3 to 4 sprays every 10 to 14 days depending on weather conditions. Leaf spotting may result on certain sensitive apple cultivars.
<u>Apricots and Peaches</u> <i>Freckle (Venturia carpophila)</i>	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	Winter rainfall region: Apply the first application at 75 to 100 % petal drop. Thereafter repeat the application 14 days later. During wet seasons, repeat the application monthly on late cultivars. Summer rainfall region: Apply the first application 3 weeks after petal drop and apply the second application 14 days later. During wet seasons repeat the application monthly on late cultivars.
<u>Apricots and Plums</u> <i>Gum spot (Stigmata capophila)</i>	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	Spray the first application at 95 to 100 % petal drop and repeat 14 days later. Green rot on apricots will also be controlled.
<u>Berries</u> (including Boysenberries, Youngberries, Blackberries, Cranberries and Raspberries) <i>Downy mildew (Peronospora sparsa)</i>	65 g / 100 ℓ water (6.5 g / 10 ℓ water)	Apply 4 sprays at 10 to 14 day intervals. Start with the first application 14 days after green-tip stage.

SITUATION	APPLICATION RATE	REMARKS
<u>Blueberries and Currants</u> Botrytis rot (<i>Botrytis cinerea</i>)	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	Apply preventatively as part of an integrated disease management programme. Programme applications should commence prior to flowering; between bud-swell and early flower development (T5). Repeat applications at 7 to 10-day intervals until 10 days before harvest. Alternate with registered fungicides with a different mode of action. When conditions are favourable for disease development, shorten spray intervals to 7 days. Apply full cover applications to the point before run-off.
<u>Guavas</u> Blossom-end rot (<i>Botrytis cinerea</i>)	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	Apply when very wet weather conditions are experienced, for protection against Blossom-end rot. Apply as a full cover spray 14 days before harvest.
<u>Lawns</u> Dollar spot, Fairy ring, Crown & Root rot diseases (<i>Sclerotinia homoeocarpa</i> , <i>Marasmius oryzae</i>)	300 g / 100 ℓ water (30 g / 10 ℓ water)	Apply at the first signs of diseases. Apply 200 litres spray mixture per 100 m ² .
<u>Olives</u> Leaf spot (<i>Venturia oleaginea</i>)	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	Apply 2 applications. Apply the first spray in spring, before the new flush appears and the second spray in autumn, before the start of winter.
<u>Peaches and Plums</u> Bacterial spot (<i>Xanthomonas arboricola</i>)	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	The level of infection of the previous season will determine if one or two applications at 50 % and/or 75 % leaf drop would be required. If twig and bud infections are observed before bud movement, apply an additional spray at bud movement. Persist with post blossom applications, at 10 to 14 day intervals, up to 3 weeks before picking.
<u>Potatoes</u> Late blight (<i>Phytophthora infestans</i>)	1,25 – 2,0 kg/ha	Commence spraying before disease is due to appear. Use the higher dosage rate for big plants and/or when infection is severe. Use at the higher rate and at shorter intervals when infection pressure increases. Apply during period of active growth of plant as a high volume, full cover spray. Depending on the plant size, apply in 300 to 500 ℓ water per ha. Apply in a programme and use sufficient spray mixture to obtain adequate coverage.

SITUATION	APPLICATION RATE	REMARKS
<u>Quinces</u> Black spot <i>(Fabraea maculate)</i>	125 g / 100 ℓ water (12.5 g /10 ℓ water)	Start spraying before the disease is due to appear or when symptoms of the disease appear. Apply every 7 to 10 days if weather conditions are favourable for disease development. Use the higher dosage rate for big plants and/or when the infection is severe. The dosage rate depends on the severity of the infection. Apply 500 to 1500 litres spray mixture per hectare, depending on the plant size and density. For Low Volume application, adjust the spray tank concentration, to apply not more than 3 kg per hectare. Ensure thorough coverage of the upper and lower leaf surfaces. Repeat the application after more than 13 mm of rain or overhead irrigation.
<u>Roses</u> Black spot	125 g / 100 ℓ water (12.5 g /10 ℓ water)	Start spraying at first signs of infection and repeat every 7 to 10 days.
<u>Strawberries</u> <i>Botrytis rot (Botrytis cinerea)</i>	65 g / 100 ℓ water (6.5 g /10 ℓ water)	Commence the applications at 5 % flowering stage, when the disease is noticed. Repeat the applications every 7 to 10 days.
<u>Leaf spot</u> <i>(Mycosphaerella fragariae)</i>	100 g / 100 ℓ water (10 g /10 ℓ water)	Apply every 10 to 14 days, depending on the severity of the disease.
<u>Table grapes</u> Anthracnose	125 g / 100 ℓ water (12.5 g /10 ℓ water)	Apply to young re-growth and bunches. Repeat 10 to 14 day intervals up to pea-berry stage. Do not use on wine grapes.
<u>Tomatoes</u> Late blight <i>(Phytophthora infestans)</i> and <i>Septoria leaf spot (Septoria lycopersici)</i>	125 g / 100 ℓ water (12.5 g /10 ℓ water)	Seedbeds: Spray twice a week. Lands: Start the application shortly after transplant, when plants are about 15 cm high and before the disease is due to appear. Apply 500 to 2000 litres spray mixture per hectare, depending on the plant size and density. Apply every 7 to 10 days if the weather conditions are favourable for disease development. Use the higher dosage rate for big plants and/or when the infection is severe. The dosage rate depends on the severity of the infection. For Low Volume application, adjust the spray tank concentration to apply not more than 3 kg per hectare. Ensure thorough coverage of the upper and lower leaf surfaces. Repeat the application after more than 13 mm rain or overhead irrigation.
<u>Turf</u> Fairy ring, dollar spot and other leaf crown and root diseases	200 g / 100 ℓ water / 50 m ² (20 g /10 ℓ water)	Spray at first signs of infection.

SITUATION	APPLICATION RATE	REMARKS
<u>Tobacco</u> Seedbed diseases <i>(Anthracnose, Black root rot, Black shank & Damping off)</i>	125 g / 100 ℓ water (12.5 g / 10 ℓ water)	Apply 15 litres mixture per 10 m ² as a drench treatment, 3 weeks after germination. Thereafter repeat the treatment every 7 to 14 days. After treatment apply 40 litres water to the treated area, to wash the product into the soil.
<u>Soils and Potting mixtures</u> Damping off, Seed decay & Root rot	250 g / 100 ℓ water (12.5 g / 10 ℓ water)	Apply 20 litres spray mixture per 10 m ² to the seedbed, prior to sowing. Thoroughly incorporate the spray mixture with the top 5 to 10 cm of the soil layer. Alternatively spray 5 litres spray mixture per 10 m ² directly onto the soil, after sowing.