

DIRECTIONS FOR USE ENCLOSED

Batch number: REFER TO DETAILS PRINTED  
Lotnummer: ON CONTAINER/BAG

GEBRUIKSAANWYSLINGS INGESLUIT

Date formulated: VERWYS NA BESONDERHEDE  
Formuleringsdatum: GEDRUK OP HOUER/SAK

SHAKE THE BOTTLE WELL BEFORE USE.

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Fungicide



# TYPHOON 250 SC

Reg. No. L 8397 Act/Wet No. 36 of/van 1947  
N-AR 1297

1:01/07/09-Jan2017

*A suspension concentrate systemic fungicide with translaminar action for the control of diseases on crops as listed.*

*'n Suspensie konsentraat sistemiese swamdoder met translaminêre aksie vir die beheer van siektes in gewasse soos aangedui.*

### ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

procymidone (dicarboximide) 250 g/l prosimidoon (dikarboksimied)

FRAC FUNGICIDE GROUP CODE 2 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

Tel: 011 396 2233

Website / Webblad: [www.villacrop.co.za](http://www.villacrop.co.za)

UN Number: 3082



HARMFUL  
SKADELIK

Willow Set & Print 011 394-4486



**TYPHOON 250 SC**

Reg. No. L 8397 / N-AR 1297 Act/Wet No. 36 of/van 1947

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**ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:**

procymidone (dicarboximide) / prosimidoon (dikarboksimied)..... 250 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

**HARMFUL****SKADELIK****WARNINGS****Withholding periods:**

Minimum number of days between last application and harvest or feeding:	
Wine grapes	7 days
Onions	8 days
Potatoes	35 days

**NOTE**

**ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY BE EXCEEDED. IF THE TREATED CROP WILL BE EXPORTED, FIRST CONSULT THE RELEVANT IMPORTER OR EXPORTING BODY REGARDING THE USE OF THIS PRODUCT, MRL'S AND RECOMMENDED WITHHOLDING PERIODS.**

- Handle with care.
- Harmful if swallowed, inhaled or absorbed through the skin.
- May irritate the skin and eyes.
- It is recommended that women of child-bearing age avoid contact with procymidone.
- Toxic to fish.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed and secured.
- Store away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- **In case of poisoning call a doctor and make this label available to him/her.**

**Aerial application:**

Notify all inhabitants in the immediate vicinity of the lands to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

**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 spray mist.
- Avoid contact with skin and eyes.
- Wear protective clothing, face shield, rubber gloves and boots when preparing the mixture and when applying.

- Wash contaminated clothing daily after use.
- Wash with soap and water after use and after accidental skin contact.
- Do not eat, drink or smoke whilst mixing and applying, or before washing hands and face and change of clothing.
- Do not spray or allow drift of spray onto other crops, grazing, rivers, dams and areas not under treatment or to nearby water sources.
- Clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, 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 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, feed, drinking water and eating utensils.

### **SYMPTOMS OF HUMAN POISONING**

Prolonged or repeated exposure may irritate the respiratory tract, eyes and skin and may cause headaches, nausea, vomiting, weakness and diarrhoea.

### **FIRST AID TREATMENT**

- **Inhalation:** Remove person from the source of contamination to fresh air. Obtain medical attention if irritation persists.
- **Skin contact:** Wash skin gently and thoroughly with cold water and non-abrasive soap. Obtain medical attention if irritation persists.
- **Eye contact:** Immediately flush eyes with clean water for at least 20 minutes. Obtain medical attention if irritation persists.
- **Ingestion:** Do not induce vomiting or give anything by mouth. If the person is alert, rinse mouth thoroughly with water. Obtain medical attention immediately.

### **NOTE TO PHYSICIAN**

There is no specific antidote available. Treat symptomatically.

### **RESISTANCE WARNING**

**TYPHOON 250 SC** is a group code 2 fungicide. Any fungus population may contain individuals naturally resistant to **TYPHOON 250 SC** and any other group code 2 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **TYPHOON 250 SC** or any other group code 2 fungicide.

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 fungicide group codes X or Y, refer to applicable individual product labels,
- integrate other control methods (chemical, cultural, biological ) into disease control programmes.

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

### **USE RESTRICTIONS**

- **Do not** apply to table grapes or to grapes used for the production of dried fruit.
- **Do not** apply to any other crop not listed on this label.

### **DIRECTIONS FOR USE: Use only as indicated.**

#### **Compatibility:**

- **TYPHOON 250 SC** is compatible with **Mancozeb 800 WP**.
- The compatibility of **TYPHOON 250 SC** with other products may be influenced by various factors. As changing factors may vary, a physical compatibility test must always be performed prior to application of such a tank mixture.
- When **TYPHOON 250 SC** is used in combination with any other agricultural remedy, adhere to all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label.

**Acidity of the spray water:**

- The efficacy of **TYPHOON 250 SC** may be reduced by water with a high pH value and very hard water (>1 000 ppm solutes).
- Optimal efficacy of **TYPHOON 250 SC** is obtained at a water pH of 4.5 to 5.5. Water with a higher or lower pH than 4.5 to 5.5 should be buffered by using **Commodobuff**.

**Mixing instructions:**

- Fill the spray tank  $\frac{1}{4}$  to  $\frac{1}{2}$  full with water and agitate continuously.
- Add the required amount of **TYPHOON 250 SC** to the tank, while filling the tank to the required volume with water.
- Where **Commodobuff** is used to adjust the pH of the water, it must be mixed with the total volume of water required for that particular tank mixture, before adding the **TYPHOON 250 SC**.
- Maintain continuous agitation during mixing and spraying.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

**APPLICATION****Ground application:**

**TYPHOON 250 SC** can be applied with conventional high volume ground spraying equipment. It is important to ensure that the spray equipment is calibrated prior to application to ensure that the correct delivery rate and even distribution of the spray mixture is obtained.

**Aerial application (Potatoes):**

Aerial application of **TYPHOON 250 SC** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 25 to 35 droplets per cm<sup>2</sup> must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280 to 300 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km per hour.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
  - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
  - b) damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the aerial spray operator knows exactly which fields to spray.

Obtain an assurance from the aerial spray operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

**APPLICATION RATES**

<b>Crop and Disease</b>	<b>Dosage rate / 100 ℓ water</b>	<b>Remarks</b>
<b>Wine Grapes</b> Botrytis rot ( <i>Botrytis cinerea</i> )	200 ml	Apply as a fine mist spray. Ensure thorough covering of the grape bunches. Apply three times at the following growth stages: a) Approximately in the middle of flowering (full bloom). b) Prior to closing of the bunches. c) When the berries start to soften.
<b>Onions</b> Purple blotch ( <i>Alternaria porri</i> )	1.5 – 2.0 ℓ / ha	Application should commence when the first symptoms of the disease is noticed. Repeat application every 10 - 14 days. If the infection is severe, use the higher dosage rate.
<b>Potatoes</b> Early blight ( <i>Alternaria solani</i> )	0.5 to 1.0 ℓ  <b>PLUS</b>  2.0 kg / ha <b>Mancozeb 800 WP</b>	<u>Ground application:</u> Apply in 500 to 750 ℓ water per hectare.
	0.6 to 1.2 ℓ  <b>PLUS</b>  2.0 kg / ha <b>Mancozeb 800 WP</b>	<u>Aerial application:</u> Apply in 30 to 40 ℓ water per hectare.
<b>Notes - Ground and Aerial application:</b>		
<ul style="list-style-type: none"> <li>Apply as part of a spray programme and use sufficient spray mixture to obtain good coverage of the plants.</li> <li>Apply as soon as the first symptoms of the disease are noticed.</li> <li>Repeat the application at 7- to 10-day intervals until the aerial parts of the plants start to die back.</li> <li>Use the higher dosage rate if the infection is severe.</li> <li>The addition of <b>Mancozeb 800 WP</b> will provide protection against Late blight.</li> </ul>		

The following products mentioned in this label can be replaced with the following equivalent product:

- COMMODOBUFF** (L 5390 / N-AR 1107) = **AQUABUFF** (L 5451 / W 130060) = **PAZBUFF** (L 5385).

**COMMODOBUFF** and/en **AQUABUFF** are registered products of / is geregistreerde produkte van  
**VILLA CROP PROTECTION (PTY) LTD.**

**PAZBUFF** is a registered product of / is 'n geregistreerde produk van  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**