

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



Fungicide

**TAURUS 500 SC**

Reg. No. L 8499 Act No. 36 of 1947  
N-AR 1137

5: 18/01/2023 – Jan2024

A suspension concentrate fungicide for the control of fungal diseases as listed.

**ACTIVE INGREDIENT**

iprodione (dicarboximide)

500 g a.i./ℓ

GROUP

2

FUNGICIDE



**WARNING**

**Hazard Statements:**

May be harmful if swallowed or in contact with skin.  
Suspected of causing cancer.  
Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

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



**villa**



UN Number: 3082

Registration holder: VILLA CROP PROTECTION (PTY) LTD.  
Co. Reg. No. 1992/002474/07  
65 Botes Road, Glen Marais, Kempton Park, 1619  
Tel. (011) 396 2233  
Website: [www.villacrop.co.za](http://www.villacrop.co.za)

**IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:**

Griffon Poison Centre: +27 82 446 8946  
24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411  
(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:  
Date of Manufacture:

**TAURUS 500 SC**

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N-AR 1137

FRAC FUNGICIDE GROUP CODE: 2

**ACTIVE INGREDIENT:**

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**WARNINGS****Withholding periods:**

Minimum number of days between last application and harvest:	
Table grapes	7 days
Wine grapes	7 days
Nectarines	3 days
Plums	3 days
Peaches (fresh)	3 days

THE LOCAL MAXIMUM RESIDUE LEVELS (MRL'S) WILL NOT BE EXCEEDED, PROVIDED APPLICATIONS ARE APPLIED AS PRESCRIBED. WHEN PRODUCTION IS DESTINED FOR THE EXPORT MARKET, THE EXPORT AGENCY OF CONCERN MUST BE CONTACTED TO CONFIRM WITHHOLDING PERIODS, PRIOR TO THE USE OF TAURUS 500 SC IN A SPRAY PROGRAMME. IF PEACHES, NECTARINES OR PLUMS ARE DESTINED FOR EXPORT PLEASE REFER TO HORTGRO'S LATEST MRL & PHI LIST.

**Hazard statements:**

May be harmful if swallowed or in contact with skin.
Suspected of causing cancer.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- 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 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 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****Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED or ON SKIN: Get medical help.
If exposed or concerned: Get medical advice.
Collect spillage.
Store locked up.

Dispose of content/container to suitable landfill in accordance with local regulations.

- Avoid inhalation of the spray mist or vapour.
- Avoid contact with eyes and skin.
- Wash with soap and water after use or after accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing or applying the product or before washing hands and face and change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- **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 (3) 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](http://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.
- Prevent contamination of food, feeds, drinking water and eating utensils.

<b>Relevant hazardous components</b>	
Iprodione	50 g/l
Ethoxylated Isodecyl Alcohol	<10 g/l
Preservative	<1g/l

#### **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. If exposed or concerned, get medical advice.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention 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 persists.
- **Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 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.
- **Most important symptoms/effects:** When large amounts are swallowed, may cause symptoms such as: nausea, vomiting, abdominal pain and loss of co-ordination.
- **Advice to physician:** There is no specific antidote available. Treat symptomatically. Anticonvulsant therapy is not appropriate.

#### **RESISTANCE WARNING**

**TAURUS 500 SC** is a group code 2 fungicide. Any fungus population may contain individuals naturally resistant to **TAURUS 500 SC** and 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 **TAURUS 500 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 code M, 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.

#### **Resistance – additional notes:**

- It is known that certain strains of fungi can develop resistance against dicarboximides.
- Where such resistance did develop, **TAURUS 500 SC**, and other dicarboximides, will not give effective control, and alternative remedies with a different mode of action to that of dicarboximides, must be used in the control programme.

#### **MODE OF ACTION:**

Iprodione is a contact fungicide with protective and curative activity. It inhibits germination of spores and growth of fungal mycelium. Affects mitogen-activated protein (MAP) histidine kinase, in osmotic signal transduction.

#### **USE RESTRICTIONS**

- **Pears (pre-harvest treatment for control of Calyx-end rot):**
  - **Do not** apply later than 75 % petal drop.
  - Apply **TAURUS 500 SC** only on cultivars "Bon Chretien", "Buerre Bosch" and "Packham's Triumph".
- **Apples and pears (post-harvest treatment):**
  - Apply **TAURUS 500 SC** only on cultivars "Packham's Triumph", "Golden Delicious", "Granny Smith", "Topred" and "Royal Gala".
- **Do not** apply **TAURUS 500 SC** to table grapes without referring to the supplier or local CAPESPAN advisor before application.
- Do not apply **TAURUS 500 SC** as a post-harvest treatment in stone fruit (Apricots, Nectarines and Plums).

#### **DIRECTIONS FOR USE: Only use as directed.**

##### **Compatibility:**

- **TAURUS 500 SC** can be mixed with formulations that contain diphenylamine (DPA) for the post-harvest treatment of superficial scald in apples and pears. Continuous agitation of these mixtures is recommended.
- **TAURUS 500 SC** is compatible with most registered insecticides and fungicides used on table grapes. Take care with the application of tank mixtures on table grapes due to the increased risk of visible residues.
- The compatibility of **TAURUS 500 SC** may be influenced by several factors. As factors influencing compatibility may vary, a physical compatibility test must always be performed before such tank mixture is sprayed.
- When **TAURUS 500 SC** is used in conjunction with any other agricultural remedy, all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label, must be adhered to.

##### **Mixing instructions:**

- Half fill the spray/mixing tank with clean water.
- Add the required amount of **TAURUS 500 SC** to the water while stirring.
- Fill the spray tank with water to the required level, while maintaining agitation, to ensure thorough mixing.
- Ensure continuous agitation before and during application.
- Prepared spray mixture must not be left in the spray/mixing tank for any length of time, e.g. overnight.

#### **APPLICATION INSTRUCTIONS**

- It is important that **TAURUS 500 SC** is applied with correctly calibrated spray equipment that is in good working order.

## APPLICATION RATES

Crop / Disease	Dosage rate	Remarks
<b><u>Wine grapes</u></b> <i>Botrytis</i> rot <i>(Botrytis cinerea)</i>	<p>100 ml / 100 l water</p> <p><b>OR</b></p> <p>10 ml / 10 l water</p>	<p>Apply 500 to 1000 litres spray mixture per hectare, depending on the plant size. Ensure thorough wetting of the leaves and blossoms or grape bunches. Disease history and the expected degree of disease will determine the amount of <i>Botrytis</i> sprays per season. At least two (2) sprays are recommended under low to moderate disease pressure conditions, whereas, under severe disease pressure, a maximum of 4 sprays may be necessary. The following spray schedule is recommended:</p> <p><u>First spray:</u> Apply at full-bloom stage.</p> <p><u>Second spray:</u> If a moderate to severe infection is expected, either <b>TAURUS 500 SC</b> or a suitable alternative <i>Botrytis</i> remedy with a different mode of action should be applied, according to the directions on that product label. Apply when pea-berry size is reached, before closure of the bunches.</p> <p><u>Third spray:</u> If severe disease pressure is expected, either <b>TAURUS 500 SC</b> or a suitable alternative <i>Botrytis</i> remedy with a different mode of action should be applied, according to the directions on that product label. Apply from closing of bunches to colour change.</p> <p><u>Fourth spray:</u> Apply <b>TAURUS 500 SC</b> or a suitable alternative <i>Botrytis</i> remedy with a different mode of action, according to the directions on that product label 3 weeks before harvesting.</p> <p><b>NOTE</b></p> <ul style="list-style-type: none"> <li>• <b>Sprays 1 and 4 are critical</b> and must be applied irrespective of whether treatments 2 and 3 are applied, or not.</li> <li>• If all 4 treatments are to be applied, a registered <i>Botrytis</i> fungicide, from a different mode of action group, must be included in either the second or third spray treatment in the place of <b>Iprodione</b>. <b>Do not apply more than three (3) Iprodione treatments per season.</b></li> <li>• Treatments must be performed as soon as possible after Mealybug applications or repeated if a Mealybug application is performed within two weeks after a <b>TAURUS 500 SC</b> treatment.</li> </ul>
<b><u>Table grapes</u></b> <i>Botrytis</i> rot	<p>1 l / ha</p> <p><b>OR</b></p> <p>0.1 l / 10 l water</p>	<p>Spray at colouring, just after final bunch thinning and repeat 3 days before harvest. Apply at 750 litres per hectare with a mistblower delivering a droplet spectrum with a VMD of 150 to 200 µm.</p> <p><b>NOTE</b></p> <p>Do not spray until the point of run-off, as this may increase the risk of visible residues on the berries. Ensure, that the bunches are thoroughly covered on all sides by the spray mist.</p>

<b>Crop / Disease</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b>Apples &amp; Pears</b> Post-harvest <i>Botrytis</i> and <i>Penicillium</i> rot	100 ml / 100 ℓ water  <b>OR</b>  10 ml / 10 ℓ water	Thoroughly rinse fruit in chlorinated water, according to prescribed procedures, before treatment with <b>TAURUS 500 SC</b> . Apply the <b>TAURUS 500 SC</b> suspension either as a drench or dip treatment and ensure that the fruit stay in contact with the mixture for at least half a minute to two minutes. Top up the dipping tanks with 100 ml <b>TAURUS 500 SC</b> for every 100 litres fresh water added. It is recommended not to treat more than 12 tons of fruit with every 100 litres of mixture before replacing the mixture fully. Do not allow the dip mixture to stand overnight.
<b>NOTE</b> <b>Apples:</b> only Golden Delicious, Granny Smith, Topred and Royal Gala <b>Pears:</b> only Packham's Triumph		
<b>Pears</b> Calyx-end rot <i>Botrytis</i> (Only Bon Chretien, Buerre Bosch and Packham's Triumph)	100 ml / 100 ℓ water  <b>OR</b>  10 ml / 10 ℓ water	Apply two full cover sprays, the first at full blossom and the second at 75 % petal drop.
<b>Nectarines</b> Post-harvest decay ( <i>Botryti</i> , <i>Monilinia</i> and <i>Rhizopus</i> spp.)	100 ml / 100 ℓ water  <b>OR</b>  10 ml / 10 ℓ water	Apply 10 and 3 days prior to harvest as a full cover application. Thorough wetting of fruit is important. This may be followed by a post-harvest application of a registered (for post-harvest treatment) <b>Iprodione</b> containing product according to label instructions.
<b>Plums</b> Post-harvest decay ( <i>Botryti</i> , <i>Monilinia</i> and <i>Rhizopus</i> spp.)	100 ml / 100 ℓ water  <b>OR</b>  10 ml / 10 ℓ water	Apply 10 and 3 days prior to harvest as a full cover application. Thorough wetting of fruit is important. <b>IMPORTANT</b> <b>Do not apply both pre- and post-harvest IPRODIONE 500 SC treatments, as this could result in residues exceeding acceptable MRL levels.</b>
<b>Peaches</b> (Not for canned peaches) Post-harvest decay ( <i>Botryti</i> , <i>Monilinia</i> and <i>Rhizopus</i> spp.)	100 ml / 100 ℓ water  <b>OR</b>  10 ml / 10 ℓ water	Apply 10 and 3 days prior to harvest as a full cover application. Thorough wetting of fruit is important.
<b>Lawns and Turf</b> Dollar spot ( <i>Sclerotinia</i> spp.)  Fading out ( <i>Helminthosporium</i> spp.)  Brown patch ( <i>Rhizoctonia</i> spp.)	4.0 ℓ / ha  <b>OR</b>  0.4 ℓ / 10 ℓ water	<b>Preventive treatment:</b> Commence with applications when conditions are conducive for development of the diseases. Apply in at least 300 litres water per hectare at 7 to 10-day intervals.
	4.0 ℓ / ha  <b>OR</b>  0.4 ℓ / 10 ℓ water	<b>Curative treatment:</b> Apply in at least 300 litres water per hectare twice within seven (7) days after appearance of the disease. Thereafter return to the preventive programme as above.