

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY.

PROVIDOR 500 SC

FUNGICIDE



Reg. No. L10697, Act/Wet No. 36 of/van 1947
Namibian Reg. No. N-AR 2107

2: 12/4/2022-May2022

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

**'n Suspensiekonsentraat swamdoder
vir die beheer van siektes op
gewasse soos aangedui.**

FRAC FUNGICIDE GROUP CODE

17

FRAC SWAMDODER GROEPKODE

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

**Fenhexamid
(hydroxyanilide)**

500 g/ℓ

**Fenheksamied
(hidroksie-anilied)**

Registration Holder / Registrasiehouer
Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.
Reg. No. 2000/010819/07
P.O. Box / Posbus 436, Modderfontein, 1645,
South Africa / Suid-Afrika

24 HR EMERGENCY NUMBERS:
Griffon Poison Information Centre: +27 82 446 8946
24 Hr Transport / Spill emergency no Envirosure +27 31 205 4918
(Hazcall24) +27 86 044 4411
(Client: Villa Crop Protection)

ℓ

UN Number: 3082

By **WINFIELD[®]**
UNITED



CAUTION /
VERSIGTIG



GEBRUIKSAANWYSINGS INGESLUIT

Lotnommer

Datum van vervaardiging

REFER TO DETAILS AS PRINTED
ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number

Date of manufacture

VERWYS NA BESONDERHEDE
SOOS OP HOUER / SAK GEDRUK

PROVIDOR 500 SC

Reg. No. L 10697 / N-AR 2107 Act/Wet No. 36 of/van 1947

FRAC FUNGICIDE GROUP CODE / FRAC SWAMDODER GROEPKODE: 17

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fenhexamid (hydroxyanilide) / fenheksamied (hidroksie-anilied)..... 500 g/l

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WARNINGS

Allow the following number of days between last application and harvest:	
Berries (Blueberries, cranberries, boysenberries, gooseberries, currants and strawberries)	3 days
Raspberries	1 day
Table grapes	3 days
Wine grapes	7 days

IMPORTANT: The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements. If the treated crop is intended for the export market, consult the relevant exporting body before application of the product, regarding pre-harvest interval requirements.

- Handle with care.
- Harmful if swallowed.
- Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.
- Store product in the original container, tightly closed, in a cool, dry, well-ventilated area out of direct sunlight and away from food, fertilisers and feed.
- Keep away from children, uninformed persons and animals.
- **PROVIDOR 500 SC** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in the future, which need to be tested; for this apply **PROVIDOR 500 SC** to a limited test area before commercial applications are made.
- **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 products not indicated on the label and the occurrence of resistance of the weeds 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 fumes or spray mist.
- Avoid contact with eyes and skin.
- Wear impervious protective clothing, boots, gloves and a face shield when handling concentrate, preparing spray mixture or during application.
- In case of direct eye contact, flush eyes with plenty of water for 15 minutes holding eyelids open. Seek medical assistance if irritation persists.
- Do not eat, drink or smoke while preparing or applying the spray mix, or before washing face and hands.
- Wash hands, arms and face thoroughly with soap and water after use or in the case of accidental skin contact.
- Wash contaminated clothing after use.
- Avoid spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.
- Do NOT apply to areas where surface water is present.

- Prevent contamination of food, feed, drinking water and eating utensils.
- Clean equipment before and after use. Dispose of wash water where it will not contaminate crops, pastures, rivers, dams or other water sources.
- **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). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

MODE OF ACTION

PROVIDOR 500 SC is a suspension concentrate formulation containing the active ingredient fenhexamid which belongs to the chemical class of hydroxyanilides. The foliar fungicide, fenhexamid, is not translocated within the plant but provides protective action by targeting sterol biosynthesis during C4 methylation. This inhibits mycelial growth as well as germ tube elongation.

RESISTANCE MANAGEMENT

For resistance management, **PROVIDOR 500 SC** is a group code 17 fungicide. Any fungus population may contain individuals naturally resistant to **PROVIDOR 500 SC** and other group code 17 fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **PROVIDOR 500 SC** or any other group code 17 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.
- Do not apply more than **THREE** applications of **PROVIDOR 500 SC** to grapevines per season.
- Refer to individual product labels when alternating products or when using tank mixtures with registered products.
- 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 **PROVIDOR 500 SC** 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. Meridian Agrochemical Company (Pty) Ltd will not accept any liability for performance failures in the event of a build-up of disease resistance resulting from inadequate resistance management practices as indicated on the label. For specific information on resistance management, contact the registration holder of this product or visit the FRAC website <http://www.frac.info/frac/index.html>.

USE RESTRICTIONS

- **PROVIDOR 500 SC** should be applied as a protective or preventative treatment before disease/s become established.
- Do not apply **PROVIDOR 500 SC** to any crop or situation not mentioned in this label.
- 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. Meridian Agrochemical Company (Pty) Ltd accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Meridian representative was consulted beforehand.
- If **PROVIDOR 500 SC** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.

DIRECTIONS FOR USE: Use only as directed.

MIXING INSTRUCTIONS

Shake the container thoroughly before opening. Half fill the spray tank with clean water. Do not use brackish water. Whilst agitating, add the recommended amount of **PROVIDOR 500 SC** to the spray water and continue filling the tank to the required volume. Ensure the mixture is homogenous before application and agitate before and during application. When using **PROVIDOR 500 SC** in tank mix combinations, full cognisance must be taken of all warnings, precautions and directions for use on that particular product's label. First, mix small quantities of the products separately with water. Check for any signs of incompatibility such as flocculation etc. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank**

overnight. If spraying is interrupted, the spray mixture in the tank should be agitated properly before spraying commences.

COMPATIBILITY

The compatibility of **PROVIDOR 500 SC** 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. Meridian Agrochemical Company (Pty) Ltd cannot be held responsible for damage to crops resulting from tank mixtures with products or formulations not tested. Low volume application on table grapes with tank mixtures of **PROVIDOR 500 SC** are not recommended. Allow a 7-day interval between application with **PROVIDOR 500 SC** and other products including dust applications. Do not apply **PROVIDOR 500 SC** in combination with wetters/stickers or in combination with micro and macro element sprays on grapes.

RECOMMENDATIONS

<i>Crop and disease</i>	<i>Dosage rate</i>	<i>Remarks</i>
<u>Berries</u> (Blueberries, cranberries, boysenberries, gooseberries, currants and strawberries) Botrytis Rot <i>(Botrytis cinerea)</i>	75 ml / 100 ℓ water	PROVIDOR 500 SC should be applied as a high-volume full cover spray. Applications can be made at flowering, pea berry stage, beginning of ripening and/or shortly before harvest. Do not apply more than three of the abovementioned sprays per season. The use of Botryticides with different biochemical modes of action in rotation with PROVIDOR 500 SC is recommended as part of a resistance strategy.
<u>Raspberries</u> Botrytis Rot <i>(Botrytis cinerea)</i>	75 ml / 100 ℓ water	PROVIDOR 500 SC should be applied as a high-volume full cover spray. Apply at flowering as two consecutive sprays with a 7-day interval. If climatic conditions favour Botrytis development, PROVIDOR 500 SC can also be applied at the beginning of ripening and/or shortly before harvest. Do not apply more than three of the abovementioned sprays per season. The use of Botryticides with different biochemical modes of action in rotation with PROVIDOR 500 SC is recommended as part of a resistance strategy.
<u>Table Grapes</u> Botrytis Rot <i>(Botrytis cinerea)</i>	75 ml / 100 ℓ water (750 to 1125 ml / ha)	Applications should be made at flowering and the pea berry stage as a high or low volume spray (see NOTES below). PROVIDOR 500 SC may also be applied at the beginning of ripening and shortly before harvest as a low volume application in 500 to 700 litres water/ha using a suitably calibrated mistblower and a droplet spectrum with a VMD of 150 to 200 µm. Do not apply sprays past the point of runoff on berries. Applications with PROVIDOR 500 SC are restricted to three of the abovementioned sprays per season. For the control of <i>Botrytis</i> at growth stages not mentioned, the use of registered Botryticides with different modes of action is recommended.
<u>Wine Grapes</u> Botrytis Rot <i>(Botrytis cinerea)</i>	75 ml / 100 ℓ water (563 to 1125 ml / ha)	Applications should be made at flowering and the pea berry stage as a high or low volume spray (see NOTES below). PROVIDOR 500 SC may also be applied at the beginning of ripening and shortly before harvest. Applications with PROVIDOR 500 SC are restricted to three of the abovementioned sprays per season. For the control of <i>Botrytis</i> at growth stages not mentioned, the use of registered Botryticides with different modes of action is recommended.

NOTES

- **High volume application on grapes:**

Spray to the point of runoff and ensure even coverage. The 750 – 1500 litres spray mixture/ha should be applied depending on the leaf area present:

Growth stage	Water volume ℓ / ha	
	Wine Grapes	Table Grapes
Blossom to pea-size stage of the berries	750 to 1000	1000 to 1500
Berries at pea-size stage up to harvest	1000 to 1500	See Low volume application below

- **Low volume application on table grapes:**

PROVIDOR 500 SC may be applied as a low volume application. Calculate the amount of product needed per hectare from the corresponding high-volume application rate which should be applicable to the particular vineyard at that growth stage. The final concentration of the spray mix should not exceed four times (4X) the rate recommended for high-volume application. For sprays at the beginning of ripening and shortly before harvest, apply in 500 to 700 litres water/ha using a suitably calibrated mistblower and a droplet spectrum with a VMD of 150 to 200 µm. Ensure even coverage and spray up to but not past the point of runoff.