

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



Fungicide

SUPPORT 400 SC

Reg. No. L 9282 Act No. 36 of 1947

4: 21/11/2024 – Nov2024

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

ACTIVE INGREDIENT

pyrimethanil (aniline derivative) 400 g/l

GROUP

9

FUNGICIDE



DANGER



Hazard Statements:

Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
Harmful if inhaled.
Suspected of causing cancer.
Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Obtain, read and follow all safety instructions before use.
Avoid release to the environment.

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



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

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)

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FRAC FUNGICIDE GROUP CODE: 9

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VILLA CROP PROTECTION. (PTY) LTD.

Co. Reg. No. 1992/002474/07

65 Botes Road, ASTON MANOR, 1619

Tel. (011) 396 2233

WARNINGS**Withholding periods:**

Allow the following number of days between last application and harvest or grazing of the crops as listed below:	
Table and Wine grapes	35 days
Apples and Pears (Control of Scab and Powdery mildew)	35 days
Stone fruit (Nectarines, Peaches, Plums, Apricots)	3 days
Citrus	0 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.

Hazard statements:

Harmful if swallowed.
Causes skin irritation
Causes serious eye damage
Harmful if inhaled.
Suspected of causing cancer
Toxic to aquatic life with long lasting effects.

- Handle with care.
- Harmful to fish, aquatic organisms and wildlife. Do not contaminate dams, rivers, lakes or any other water sources.
- Store the product in the original container in a cool, dry, well-ventilated place away from food, seed, feedstuff 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 climatic and storage conditions, quality of dilution water, compatibility with other products 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:**

Do not handle until all safety precautions have been read and understood.
Obtain, read and follow all safety instructions before use.
Avoid breathing dust, fume, gas, mists, vapours or spray.
Wash hands and face thoroughly after handling. Do not touch eyes.
Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Rinse mouth. Get medical help.
IF ON SKIN: Wash with plenty of water and non-abrasive soap.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned, get medical advice.
If skin irritation occurs: get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Wash with soap and water after use and accidental skin contact.
- In case of eye contamination, rinse the eyes thoroughly with plenty of clean water for at least 15 minutes, holding the eyelid(s) open. Obtain medical assistance immediately.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing and applying the product or before washing hands and face and change of clothing.
- Prevent 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 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.
- Prevent contamination of food, feed, drinking water and eating utensils.

First Aid Treatment:

- **Inhalation:** If vapours or mists have been inhaled, move victim to fresh air and remove source of contamination if safe to do so. The patient should be kept under observation. Obtain medical attention if irritation develops.
- **Skin:** Remove contaminated clothing, shoes and leather goods. Wash skin gently and thoroughly with cold water and non-abrasive soap. Application of olive oil to the affected area will afford prompt relief. Obtain medical attention if irritation persists.
- **Eyes:** Flush eyes with clean water for at least 15 minutes - 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention immediately.**
- **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 and then drink water.

Relevant hazardous components	
Pyrimethanil	40 %
Polyoxyethylene lauryl ether	< 10 %
Sodium dodecyl benzene sulfonate	< 5 %
Tributyl phosphate	< 5 %

NOTE: The ingredients listed above contribute to the overall GHS classification, the remaining ingredients do not have to be listed according to the South African Regulations for Hazardous Chemical Agents 2021, Regulation 14(b).

In case of poisoning, call the following number: +27 82 446 8946 (Griffon Poison Information Centre) or +27 861 555 777 (Poison Information Helpline).

In case of a chemical spill call the following 24 Hr Transport / Spill emergency number: +27 86 044 4411 (Hazcall24 / Client: Villa Crop Protection).

RESISTANCE WARNING

SUPPORT 400 SC is a group code 9 fungicide. Any fungus population may contain individuals naturally resistant to **SUPPORT 400 SC** and other group code 9 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **SUPPORT 400 SC** or any other group code 9 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,
- integrate other control methods (chemical, cultural, biological) into disease control programmes.

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

Mode of Action:

SUPPORT 400 SC contains pyrimethanil which, as an anilinopyrimidine, is a proposed inhibitor of methionine biosynthesis. This leads to the inhibition of enzymes, produced by various fungi, necessary for infection. Pyrimethanil is a contact fungicide with translaminar activity.

Resistance management: FRAC GUIDELINES* for the control of Apple and Pear scab when SUPPORT 400 SC is applied in tank mix with Qol fungicides e.g. Connect 500 WDG

- Apply Qol fungicides preventively. Under conditions of high disease pressure, the spray interval must not exceed 7 to 10 days.
- Apply Qol fungicides as per manufacturer's instructions for the target disease (or complex), at the specific crop growth stage indicated according to tree size. It is critical to delay the build-up of resistant pathogen populations to obtain effective disease management.
- Qol fungicides must be applied only in mixtures with other products that will contribute to the effective control of the target pathogens.
- Apply a maximum of three (3) Qol containing fungicide sprays per crop. A maximum of four (4) Qol fungicide applications may be used where 12 or more applications are made per crop.
- A maximum of two (2) consecutive Qol fungicide sprays are preferred. Where efficacy was adversely affected, alternate the Qol containing fungicide with fungicides from a different mode of action group.

Refer to the FRAC Web Site (www.frac.info/frac/index.htm) for the latest guidelines.

Additional notes on resistance management in vines:

Do not exceed two (2) **SUPPORT 400 SC** applications per season per vineyard. If two (2) **SUPPORT 400 SC** treatments are applied, it must **not** be applied consecutively. A registered fungicide that will control *Botrytis*, with a different mode of action (different chemical Group Code), must be applied between the two (2) **SUPPORT 400 SC** applications.

General use recommendations:

Grapes, apples and pears:

It is recommended to add 20 ml / 100 l of the adjuvant **Masterlock®** (L10496) with applications of **SUPPORT 400 SC**. This adjuvant assists in reducing spray drift, improves droplet deposition, canopy penetration and droplet spreading and absorption. Apart from buffers, **Masterlock®** should not be used with other adjuvants. **Masterlock®** was not tested in all crop situations listed on this label and thus should not be applied where the pre-harvest interval is seven (7) days or less, unless specified.

Citrus:

- It is advisable to commence treatment **as soon as possible after harvest**.
- Remove decaying fruit before applying the treatment.
- Before the treatment, fruit must be thoroughly rinsed and disinfected with an approved chlorine disinfectant, as a standard practise.
- Replace the solution regularly, do not make use of dirty solutions as this may lead to ineffective treatment application.
- Do not empty used suspensions into water bodies, rivers or dams. This product is toxic to aquatic life with long lasting effects.

DIRECTIONS FOR USE: Only use as indicated.**Compatibility:**

- **SUPPORT 400 SC** is compatible with **Inspect 400 SC** and **Connect 500 WDG**.
- **SUPPORT 400 SC** is **NOT** compatible with **Aluminium** containing products such as **ALIETTE® WG** (L 5689), **MIKAL®-M** (L 2017) or **VERITA®** (L 6625).
- Although **SUPPORT 400 SC** seems to be compatible with most other agrochemical products, it must be realised that the compatibility of **SUPPORT 400 SC** with other products may vary. A physical compatibility test must always be performed before such a tank mixture is sprayed. Water quality may influence the compatibility of **SUPPORT 400 SC**. If the products are physically compatible, this does **NOT** mean they will be biologically compatible (effective against respective target pathogens) unless specifically stated on the label, thus the registration holder will not take responsibility for ineffective control in these scenarios.
- When **SUPPORT 400 SC** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label.

Mixing instructions:

- Shake the **SUPPORT 400 SC** container well before use.
- Half fill the spray tank with clean water.
- Premix the required quantity of **SUPPORT 400 SC** with at least 10 litres of water.
- Add the premix to the water in the spray tank.
- Agitate well to obtain a homogeneous emulsion.
- Fill the spray tank with water to the required level while maintaining agitation to ensure thorough mixing.
- Maintain agitation while spraying.
- If another product is to be mixed with **SUPPORT 400 SC**, the required quantity of the other product should be premixed, prior to slowly adding to the spray mixture.
- Do not leave the prepared spray mixture in the spray tank for any length of time, e.g. overnight.

Application instructions:

SUPPORT 400 SC can be applied with conventional high-volume spray equipment. It is important that the sprayer be in good working order and correctly calibrated prior to application, to ensure that the correct delivery rate and even distribution of the spray mixture is obtained.

Post Spray Equipment Cleaning

It is essential to rinse the spray tank and all hoses with a 0.1 % solution of either calcium chloride or ammonium hydroxide or the recommended rate of **Protank® liquid cleaner** according to the product label. Allow this solution to stand in the spray equipment for 15 minutes; empty the spray equipment; repeat the rinsing with a 0.1 % solution of calcium chloride or ammonium hydroxide for 15 minutes; rinse all equipment with water. Nozzles and fitters must be cleaned individually. Rinse water and solution should be drained in a cesspool or drain where it will not contaminate any water source.

APPLICATION RATES

Crop and disease	Dosage rate	Remarks
Grapes (Table & Wine) <i>Botrytis cinerea</i>	120 ml /100 l water	Apply as a high-volume full cover spray in 1000 to 1500 litres water per hectare. Number of applications: <ul style="list-style-type: none"> In cases where three (3) <i>Botrytis</i> control treatments are applied per season, only apply SUPPORT 400 SC once e.g. at pea-berry size or 35 days before harvest. Do not apply SUPPORT 400 SC as the last <i>Botrytis</i> control treatment. Apply a registered fungicide with a different mode of action before and after the treatment. When four (4) or more applications are applied per season for <i>Botrytis</i> control, two (2) SUPPORT 400 SC treatments may be applied. However, these must not be applied consecutively (e.g. at pea-berry size and 35 days before harvest). Precede/alternate and follow the SUPPORT 400 SC treatments in the spray programme with registered fungicides with a different mode of action.
Citrus Post-harvest decay <i>Penicillium digitatum</i> (Green mould), <i>Penicillium italicum</i> (Blue mould) including the Imazalil resistant <i>Penicillium</i> populations	250 ml /100 l water (1 000 ppm Pyrimethanil)	Apply SUPPORT 400 SC either as a dip or drench treatment (ambient or hot water), ensuring contact time with the fruit for at least 2 minutes. Use only the ambient treatment on lemons as Maximum Residual Levels can be exceeded with hot water treatment. Do not rinse the fruit after the treatment. Maintain the concentration of the active ingredient in the tanks when topping up. SUPPORT 400 SC is highly effective and therefore recommended to control and manage Imazalil tolerant and resistant <i>Penicillium</i> populations.
GENERAL INSTRUCTIONS: Post-harvest control <ul style="list-style-type: none"> It is advisable to commence treatment as soon as possible after harvest. Remove decaying fruit before applying the treatment. Before the treatment, fruit must be thoroughly rinsed and disinfected with an approved chlorine disinfectant, as a standard practise. Replace the solution regularly, do not make use of dirty solutions as this may lead to ineffective treatment application. Do not empty used suspensions into water bodies, rivers or dams. This product is toxic to aquatic life with long lasting effects. 		

Crop and disease	Dosage rate	Remarks
Apples and Pears Post-harvest decay (<i>Botrytis cinerea</i> and <i>Penicillium expansum</i>)	125 ml / 100 l water (500 ppm Pyrimethanil)	It is advisable to commence treatment as early as possible after harvest. Before the treatment, fruits must be thoroughly rinsed and disinfected with chlorine as a standard practise. Apply SUPPORT 400 SC either as a dip or drench treatment ensuring contact time with the fruit for at least 2 minutes. Do not rinse the fruit after the treatment. Maintain the concentration of the active ingredient in the tanks when topping up.
Apples and Pears Scab (<i>Venturia</i> spp.)	38 ml / 100 l water PLUS	Refer to NOTES below as well as FRAC GUIDELINES for the control of Apple and Pear scab above : Tank mixtures of SUPPORT 400 SC and Inspect 400 SC or Connect 500 WDG : Although the tank mixtures can be included during any time of the spray programme, it is advised to position the SUPPORT 400 SC treatments between beginning of flowering and fruit set for optimal results.
Apples Powdery mildew (<i>Podosphaera leucotricha</i>)	38 ml / 100 l water Inspect 400 SC OR	
	38 ml / 100 l water PLUS 10 g / 100 l water Connect 500 WDG	

NOTES

- Apply **SUPPORT 400 SC** tank mixtures strictly preventive as part of a programme application. The spray programme must commence at green tip stage and apply at the following intervals:
 - Before flowering up to 75 % petal fall: 7 days
 - After 75 % petal fall: 10 to 14 days
- Do not** apply more than 2 to 3 treatments of **SUPPORT 400 SC** either in tank mixture with **Inspect 400 SC** or **Connect 500 WDG** per season.
- Apply registered fungicides from other Mode of Action Group Codes as the other treatments in the spray programme.

IMPORTANT

Use the Tree Row Volume (TRV) formula below, to ensure that the correct amount of fungicide is applied per hectare. This is calculated as follows:

High volume rate:

The water to be applied per hectare must be calculated according to the TRV formula:

$l / ha = \frac{\text{Tree height} \times \text{Tree diameter} \times 937}{\text{Row width}}$

Row width

The TRV calculation is the maximum water volume required when the trees are in full leaf. Use the water volume required per hectare to calculate the amount of **Connect 500 WDG** required per hectare according to the various growth stages of a tree during the season.

Water requirements per hectare as recommended according to the different growth stages of a tree:

Growth stage	% of the high-volume water requirement / ha
From greentip to \pm 30 % blossom	60 %
From \pm full blossom to \pm middle November	80 %
From beginning December	100 %

Crop and disease	Dosage rate	Remarks
Stone fruit (Peaches, Plums, Nectarines and Apricots) Post-harvest decay (<i>Botrytis cinerea</i> , <i>Monilinia</i> spp, and <i>Rhizopus stolonifer</i>)	2.0 litres / ha	Apply a single treatment three (3) days before harvest. Apply as a high volume, full cover spray and ensure complete wetting of all fruit.

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

- **INSPECT 400 SC** (L 9182) = **DETECT 400 SC** (L 9238) (**Dithianon**);
- **CONNECT 500 WDG** (L 9324) = **UNITE 500 WDG** (L 9325) (**Trifloxystrobin**) and

DETECT 400 SC and **UNITE 500 WDG** are registered products of
UNIVERSAL CROP PROTECTION (PTY) LTD.

INSPECT 400 SC and **CONNECT 500 WDG** are registered products of
VILLA CROP PROTECTION (PTY) LTD.

ALIETTE® WG, **MIKAL®-M** and **VERITA®** are registered trademarks of
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