

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

SHAKE THE BOTTLE WELL BEFORE USE.

Insecticide



CRYSTAL 550 SC

Reg. No. L 9050 Act/Wet No. 36 of/van 1947

2: 22/2/2016-Jan2017

A suspension concentrate contact and residual acaricide with anti-feeding properties for the control of Red spider mite and European red mite on crops as listed.
'n Suspensie konsentraat kontak en residuele mytdoder met teenvoedings eienskappe vir die beheer van Rooispinmyt en Europese rooimyt op gewasse soos gelys.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

fenbutatin oxide (organo tin) 550 g/l fenbutatinoxied (organiese tin)

IRAC INSECTICIDE GROUP CODE **12B** IRAC INSEKODODER GROEPKODE



villa

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

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UN Number: 3082

Willow Set & Print 011 394-4486



CAUTION
VERSIGTIG



GEBRUIKSAANWYSYNGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:

Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED

REFER TO DETAILS PRINTED

ON CONTAINER/BAG

Batch number:

Lotnommer:

CRYSTAL 550 SC

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fenbutatin oxide (organo tin) / fenbutatinoxied (organiese tin) 550 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

CAUTION / VERSIGTIG**WARNINGS****Withholding periods:**

Allow the following number of days between the last application and harvest or grazing of the crops listed below:	
Peppers, Tomatoes, Green beans	3 days
Citrus	7 days
Peaches (fresh)	21 days

NOTE

WITHHOLDING PERIODS BASED ON GOOD AGRICULTURAL PRACTICE AND WHEN FOLLOWED, LOCAL (SA) MRL'S WILL BE MET. FOR FRUIT DESTINED FOR EXPORT, CONSULT YOUR EXPORT AGENT OR SUPPLIER FOR THE LATEST WITHHOLDING PERIODS RELEVANT TO YOUR EXPORT MARKET.

- Handle with care.
- Harmful if swallowed, inhaled or absorbed through skin.
- Can cause irritation of the eyes and mucous membranes.
- Toxic to fish and non-toxic to bees.
- Store in the original container in a cool, dry, well-ventilated place, away from food, feeds, seed, fertilizers and other agricultural remedies.
- 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. The action and effect thereof may be effected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, the occurrence of resistance of the pest against the remedy concerned, 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 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 the event of any uncertainty.

PRECAUTIONS

- Avoid inhalation and contact with the spray mist.
- Wear suitable protective clothing: overalls, gloves and face shield, when handling the concentrate and during mixing and application.
- Wash with soap and water after use and after accidental skin contact.
- In case of eye contamination, rinse the eyes thoroughly with plenty of clean, water for at least 20 minutes, holding the eyelid(s) open. Obtain medical assistance immediately.
- 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 drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Clean the 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 the volume of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- **Do not** re-use the empty container for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.

RESISTANCE WARNING

CRYSTAL 550 SC is a group code 12B insecticide. Any insect population may contain individuals naturally resistant to **CRYSTAL 550 SC** and any other group code 12B insecticide. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **CRYSTAL 550 SC** or any other group code 12B insecticide.

To delay insecticide resistance:

- avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with products from different insecticide 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.

GENERAL INFORMATION

CRYSTAL 550 SC acts against mobile stages of Mites and therefore optimum control is obtained, when applications coincide with periods of maximum egg hatch. Inspection of orchards and/or crops is essential to ensure proper timing of **CRYSTAL 550 SC** applications and therefore obtain the most effective control of Mites. **CRYSTAL 550 SC** can be expected to have an extended period of activity but reduced activity can be obtained under colder weather conditions.

DIRECTIONS FOR USE: Only use as indicated.

Compatibility:

- **CRYSTAL 550 SC** is not compatible with dodine, alkaline substances, **Lime sulphur, Sulphur or Bordeaux** mixtures.
- The compatibility of **CRYSTAL 550 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 **CRYSTAL 550 SC** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on the relevant labels.

Mixing instructions:

- Half fill the spray tank with clean water.
- Shake the **CRYSTAL 550 SC** container thoroughly, immediately before use.
- Measure the required volume of **CRYSTAL 550 SC** and pre-mix this, with at least 10 litres water before adding to the contents of the spray tank.
- Fill the spray tank with water to the required level, while maintaining agitation, to ensure thorough mixing.
- Ensure agitation during application, to keep solution in suspension.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Application:

Application of **CRYSTAL 550 SC** must be performed with suitable spraying equipment that is in good working order and correctly calibrated, to obtain the desired coverage for that particular method of application.

APPLICATION RATES

Crop / Pest	Dosage Rate	Remarks
Citrus		
Scout orchards regularly to determine Mite infestation levels. Commence with application at first signs of infestation. Ensure good coverage of all parts of the tree, especially the undersides of the leaves. Repeat when necessary. Refer “ GENERAL INFORMATION ” above.		
Citrus red mite (<i>Panonychus citri</i>)	55 ml / 100 l water	Apply as a medium cover spray onto foliage. Repeat when necessary.
Lowveld mite (<i>Eutetranychus orientalis</i>)	55 ml / 100 l water	
Flat mite (<i>Brevipalpus californicus</i>)	20 ml / 100 l water	Apply as a cover spray. Ensure good coverage of the fruit. Repeat when necessary.
Rust mite (<i>Phyllocoptruta oleivora</i>)	15 ml / 100 l water	
Green beans Red spider mite (<i>Tetranychus urticae</i>) (<i>cinnabarinus</i>)	25 ml / 100 l water OR 2.5 ml / 10 l water	Commence as a high volume application at first signs of an infestation. Ensure good coverage of all plant parts, especially on the underside of the leaves. Repeat as necessary. Apply a minimum of 500 ml CRYSTAL 550 SC per hectare or 0.5 ml per 10 m ² . (Refer “ GENERAL INFORMATION ” above).
Peaches Red spider mite (<i>Tetranychus urticae</i>) (<i>cinnabarinus</i>)	55 ml / 100 l water	Commence application as soon as Mite numbers increase, but before reaching the economic threshold for the crop. Apply as a full cover spray. Ensure thorough coverage of all parts of the tree, especially the underside of the leaves. Repeat when necessary. (Refer “ GENERAL INFORMATION ” above).
Peppers Red spider mite (<i>Tetranychus urticae</i>) (<i>cinnabarinus</i>)	25 ml / 100 l water OR 2.5 ml / 10 l water	Apply as a high volume spray application at first signs of an infestation. Ensure good penetration and coverage of all plant parts, especially the underside of the leaves. Repeat as necessary. Apply a minimum of 500 ml CRYSTAL 550 SC per hectare or 0.5 ml per 10 m ² . (Refer “ GENERAL INFORMATION ” above).
Tomatoes Red spider mite (<i>Tetranychus urticae</i>) (<i>cinnabarinus</i>)	25 ml / 100 l water OR 2.5 ml / 10 l water	High volume applications: Commence spraying at first signs of infestation. Thorough coverage of all plant parts, especially the underside of the leaves, is important. Apply up to 2500 litres spray mixture per hectare depending on plant height and density. Repeat as necessary. Apply a minimum of 500 ml CRYSTAL 550 SC per hectare or 0.5 ml per 10 m ² . (Refer “ GENERAL INFORMATION ” above).
	500 ml / ha	Low volume applications: Apply in sufficient water, to obtain complete coverage of all parts of the plant. Repeat as necessary. (Refer “ GENERAL INFORMATION ” above).