

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Insecticide



# LESSON 50 EC

Reg. No. L 9256 Act/Wet No. 36 of/van 1947  
N-AR 1905

3: 13/3/2019 - Jan2020

*An emulsifiable concentrate residual contact acaracide/insecticide for the control of pests as listed.*

*in Emulgeerbare konsentraat residuele kontak mytdoder/insekdoder vir die beheer van plae soos gelys.*

## ACTIVE INGREDIENT / AKTIEWE BESTANDEEL

fenpyroximate **50 g/l** fenpiroksimaat

IRAC INSECTICIDE GROUP CODE **21** IRAC INSEKDODER 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

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UN Number: 2902

Willow Set & Print 011 394-4486



CAUTION  
VERSIGTIG



GEBRUIKSAANWYSLINGS INGESLUIT

VERWYS NA BESONDERHEDE  
ON CONTAINER/BAG

Date formulated:  
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED

REFER TO DETAILS PRINTED  
ON CONTAINER/BAG

Batch number:  
Lotnommer:

**LESSON 50 EC**

Reg. No. L 9256 / N-AR 1905 Act/Wet No. 36 of/van 1947

IRAC INSECTICIDE GROUP CODE / IRAC INSEKODER GROEPKODE: 21

**ACTIVE INGREDIENT/ AKTIEWE BESTANDDEEL:**

fenpyroximate / fenpiroksimaat .....50 g/l

Registration holder / Registrasiehouer:

**VILLA CROP PROTECTION (PTY) LTD.**

Co. Reg. No. 1992/002474/07 Mpy. Reg. Nr.

P.O. Box / Posbus 10413, ASTON MANOR, 1630,

Tel. (011) 396 2233

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

<b>Minimum time between the last application and harvest:</b>	
Apples and Pears	30 days
Citrus	28 days
Peppers	14 days
Tomatoes	7 days
Grapes	40 days
Stone fruit (Nectarines & Peaches, Apricots & Cherries)	21 days

**NOTE**

**IN THE CASE OF CROPS INTENDED FOR EXPORT, CONFIRM WITHHOLDING PERIODS WITH THE RELEVANT EXPORT ORGANISATION. IF THIS PRODUCT IS USED ACCORDING TO THE RECOMMENDATIONS ON THIS LABEL, LOCAL MRL VALUES WILL NOT BE EXCEEDED. HOWEVER, VILLA CROP PROTECTION (PTY) LTD. CANNOT ACCEPT RESPONSIBILITY FOR EXPORTED FRUIT EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.**

- **Flammable.**
- Handle with care.
- Poisonous if swallowed.
- May irritate skin and eyes.
- Toxic to fish and wildlife.
- Safe to natural enemies.
- Store in a cool, dry place away from food, feeds, fertilizers and other agricultural remedies.
- Keep out of reach of children, animals and uninformed persons.
- Use of this material in a manner or at a time other than in accordance with the directions may cause excessive residues or other undesirable results.
- 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 pest 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 the spray mist.
- Wear a face shield and rubber gloves when handling, preparing and applying the spray mixture.
- Avoid eye and skin contact.
- Persons in contact with the insecticide should wear protective clothing (long-sleeved shirts and long pants, shoes with socks and gloves).
- Do not enter treated areas until the sprayed solution has dried.

- Wash contaminated clothing after use.
- Wash with soap and water after use or accidental skin contact.
- Do not eat, drink or smoke whilst mixing, applying the product or before washing hands and face or change of clothing.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean the applicator thoroughly after use and dispose of wash water where it will not contaminate food, grazing, 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 way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

### **RESISTANCE WARNING**

**LESSON 50 EC** is a group code 21 insecticide. Any pest population may contain individuals naturally resistant to **LESSON 50 EC** and other group code 21 insecticides. The resistant individuals can eventually dominate the pest population if these insecticides are used repeatedly. These resistant pests may not be controlled by **LESSON 50 EC** or any other group code 21 insecticide.

To delay insecticide resistance:

- avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate with products from different insecticide group codes,
- integrate other control methods (chemical, cultural, biological) into Insect Pest Management programmes.

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

### **GENERAL INFORMATION**

**LESSON 50 EC** is most effective 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 **LESSON 50 EC** applications.

### **IMPORTANT – RESISTANCE MANAGEMENT**

**DON'T EXCEED MORE THAN ONE LESSON 50 EC TREATMENT PER GROWING SEASON. IT IS IMPORTANT TO APPLY ANOTHER IRAC GROUP CODE ACARICIDE (THUS NOT A GROUP 21 PRODUCT) TO THE SAME CROP IN THE SAME GROWTH SEASON AS LESSON 50 EC, IF MRL REQUIREMENTS ALLOW SUCH AN APPLICATION.**

**DIRECTIONS FOR USE: Use only as directed.**

**Compatibility:**

- **LESSON 50 EC** is compatible with **PICANTA** (L 8871, N-AR 1503).
- **LESSON 50 EC** can be mixed with **Cryptex**<sup>®</sup> (L 8037) provided the pH of mixture is between 5 to 8 when the **Cryptex**<sup>®</sup> is added to the mixing unit.
- The compatibility of **LESSON 50 EC** with other products has not been investigated and may be influenced by several factors. As these factors may vary, a physical compatibility test must always be performed before such a tank mixture is sprayed.
- When **LESSON 50 EC** 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.
- Ensure agitation of the water in the spray tank and add the required quantity of **LESSON 50 EC**.
- Fill the spray tank with water to the required final volume while maintaining agitation.
- Maintain agitation while spraying.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight. Ensure that agitation takes place for a few minutes prior to commencement of spraying after normal operational stops, e.g. lunch break.

**Application instructions:**

- Ground application only: Apply as a medium volume, full cover spray using a spray mixture volume of 6 to 7 litres per one metre tree height above canopy skirt or tree diameter, ensuring thorough wetting.
- Calibrate the spraying equipment before application, ensuring that the correct volume per hectare and droplet size is applied.
- It is important that all applications be performed with suitable equipment that is in good working order and correctly calibrated, to give the desired coverage for that particular method of application.

**APPLICATION RATES**

<b>Crop / Pest</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<b>Orchards</b> 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. Refer “ <b>GENERAL INFORMATION</b> ” above.		
<b>Apples and Pears</b> Red spider mites <i>Tetranychus urticae</i> European red mite <i>Panonychus ulmi</i>	150 ml / 100 l water (15 ml / 10 l water)	Apply according average mite scouting counts as follows: <u>Apples</u> - 2 female mites per leaf up to the end of March and 1 female mite per leaf thereafter (red phase) or 40 % leaf infestation (green phase). <u>Pears</u> - 1 female mite per leaf.  Apply as high volume spray according to the Tree-Row-Volume to determine the dosage rate per hectare (as described in “ <i>Deciduous Fruit Grower</i> ”, Volume 36, November 1986 and supplemented in later publications).  <b>LESSON 50 EC</b> can also be applied as concentrate spray.
<b>Citrus</b> Bud mite ( <i>Aceria sheldoni</i> )  Citrus rust mite ( <i>Phyllocoptruta oleivora</i> )  Lowveld citrus mite ( <i>Eutetranychus orientalis</i> )  Citrus flat mite ( <i>Brevipalpus californicus</i> )  Citrus silver mite, ( <i>Polyphagotarsonemus latus</i> )  Citrus grey mite ( <i>Calacarus citrifolii</i> )  Citrus red mite ( <i>Panonychus citri</i> )	150 ml / 100 l water (15 ml / 10 l water)	<u>Ground application:</u> Apply a single treatment during the period February to April. Apply as a medium volume full cover application at 5 to 6 litres spray mixture per metre tree height above canopy skirt or tree diameter. Ensure thorough wetting of the target area.  <b>LESSON 50 EC</b> can be applied in a tank mixture with <b>Cryptex</b> <sup>®</sup> (3.3 ml per 100 litres water [minimum 200 ml to maximum 330 ml per hectare] <b>PLUS</b> 0.5 % molasses [0.5 litre per 100 litres water]) for additional control of False Codling Moth.  Refer to “ <b>Compatibility</b> ” above if used in tank mixture with <b>Cryptex</b> <sup>®</sup> or other products.
Mealybug ( <i>Planococcus citri</i> )	200 ml / 100 l water (20 ml / 10 l water)	Apply as a full cover spray at the onset of first crawler movement. Only apply one (1) application per season.

<b>Crop / Pest</b>	<b>Dosage Rate</b>	<b>Remarks</b>								
<b>Stone fruit</b> (Nectarines & Peaches & Apricots & Cherries)  Two spotted spider mites (Red spider mite) ( <i>Tetranychus urticae</i> )	170 ml / 100 l water (17 ml / 10 l water)  <b>PLUS</b>  <b>Picanta</b> 50 ml / 100 l water (5 ml / 10 l water)	Commence treatment when scouting indicates 3 to 5 Mites per leaf. Only apply one (1) application per season. Ensure thorough coverage of all parts of the tree, especially the undersides of the leaves.  Apply as a medium cover spray (3 to 4 litres spray mixture per 1 m tree height above skirt). (Refer " <b>GENERAL INFORMATION</b> " above).								
<b>Grapes</b> Grape vine bud mite / Leaf blister mite ( <i>Colomerus vitis</i> [= <i>Eriophyes vitis</i> ])	125 ml / 100 l water (12.5 ml / 10 l water)	Apply two (2) treatments, the first application when shoots are 10 cm long. Follow 14 days later with second treatment. Apply as high volume, full cover sprays (400 to 500 litres water per hectare). Ensure thorough wetting of the cordon arms.								
<b>Peppers</b> Two-spotted spider mites ( <i>Tetranychus urticae</i> )	150 ml / 100 l water (15 ml / 10 l water)  <b>PLUS</b>  <b>Picanta</b> (50 ml / 100 l water) (5 ml / 10 l water)	Commence treatment when all stages of the Mites are present and mobile stages exceed 10 per 10 cm <sup>2</sup> on 30 % of the leaves sampled. Apply as a high-volume spray ensuring good penetration and coverage of all plant parts, especially the undersides of the leaves.								
<b>Tomatoes</b> Two spotted mites (Red spider mite) <i>Tetranychus urticae</i>	150 ml / 100 l water (15 ml / 10 l water)	Commence with treatment when a Population Index of (1 up to 3 Mites per leaf) is reached (refer to " <b>Scouting instructions</b> " below). Apply as a full cover spray using a sufficient water volume, to ensure thorough coverage (especially the underside of the leaves).								
<b>NOTE</b> <b>Scouting instructions for Two spotted mites (Red spider mites) on tomatoes and peppers</b> <ul style="list-style-type: none"> <li>Scout 48 plants on a weekly basis.</li> <li>For each plant choose three (3) leaves, one (1) in the middle and two (2) at the top of the plant.</li> <li>Count the number of adult females (visible red stages) on the three (3) leaves and record the total as follows:               <table style="margin-left: 20px;"> <tr><td>0 Mites</td><td>= 0</td></tr> <tr><td>1 to 10</td><td>= 1</td></tr> <tr><td>11 to 30</td><td>= 2</td></tr> <tr><td>&gt; 30 mites</td><td>= 3</td></tr> </table> </li> <li><b>DO NOT APPLY LESSON 50 EC WHEN A POPULATION INDEX OF 1 IS EXCEEDED.</b></li> </ul>			0 Mites	= 0	1 to 10	= 1	11 to 30	= 2	> 30 mites	= 3
0 Mites	= 0									
1 to 10	= 1									
11 to 30	= 2									
> 30 mites	= 3									

Refer to all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** as listed on the **Cryptex®** label.

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**CRYPTEX®** is a registered trademark of / is 'n geregistreerde handelsmerk van **MADUMBI SUSTAINABLE AGRICULTURE (PTY) LTD.**