

# CHASER 240 SC

Distributed by: Harvest Chemicals  
Registration Holder/Registrasiehouer Harvest Crop Solutions (Pty), Ltd  
Company Reg. No. 2014/187205/07  
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**HARVEST**  
CHEMICALS



A suspension concentrate contact and stomach Insecticide with a selective mode of action (moult accelerating compound) for the control of false codling moth (*Thaumatotibia leucotreta*) in avocados, citrus and litchi.

'n Suspensiekonsentraat kontak en maaginseldoder met selektiewe aksie eienskappe (vervellingsversnelings-middel) vir die beheer van vals kodlingmot (*Thaumatotibia leucotreta*) in avocados, sitrus en litchis.

Batch No	Reg. No. L 10304, Act No 36 of 1947.		Reg Nr L 10304, Wet Nr. 36 van 1947.		Lot Nr
<b>571017</b>	<b>INSECTICIDE GROUP CODE</b>	<b>18</b>	<b>INSEKODER GROEPKODE</b>	<b>571017</b>	
Expiry Date	<b>Active Ingredient:</b> Methoxyfenozide (diacylhydrazine)	<b>240g/l</b>	<b>AktieweBestanddeel:</b> Methoxyfenozide (diasielhidrasien)	Verval Datum	
	<b>Nett Volume</b>		<b>Netto Volume</b>	<b>8 Nov 2021</b>	



CAUTION  
VERSIGTIG



## WARNINGS

**Withholding Period** -- The minimum time between the last application and harvest.

Avocados, Citrus, Litchis - 30 days

**NOTE:** The above withholding periods are based on local requirements for residue levels. Withholding periods may differ in other countries to which treated fruit may be exported.

- Handle with care.
- May cause eye irritation.
- Toxic to fish and aquatic invertebrates. Do not apply directly on to open water.
- Store in a cool dry place, away from food, animal feeds and eating utensils.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry Period:** Do not enter the treated field until the spray deposit has dried unless wearing protective clothing.
- Effect on beneficial insects:
  - o Relatively harmless to bees and broods.
  - o Relatively harmless to predatory insects, predatory mites and insect parasites.

Although this insecticide 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 actions and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water; compatibility with other substance not indicated on the label and occurrence of resistance against the remedy concerned as well 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 event of any uncertainty.

## **PRECAUTIONS:**

- Store only in the original labelled container.
- Do not inhale spray mist.
- Wear protective clothing, gloves and a face shield when handling the product.
- Immediately after use or accidental skin contact, wash thoroughly with soap and water.
- Avoid contact with skin and eyes. In the event of accidental contact with the eyes, wash with running water for at least 15 minutes. Seek medical attention if irritation persists.
- Do not eat, drink or smoke during mixing or application of the product.
- Wash hands and face after use and before eating, drinking, smoking or using the toilet.
- Avoid spray drift onto adjacent crops, grazing, rivers and dams.
- Clean spraying equipment after use. Do not contaminate other crops, grazing, rivers, dams and water sources.
- Triple rise empty container with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings of the contents to the spray mix before destroying the container by perforation and flattening. Do not use the empty container for any other purpose.
- Prevent contamination of food, animal feeds, drinking water, eating utensils or clothing during handling, application, storage or disposal of the product containers.

## **INSECTICIDE RESISTANCE MANAGEMENT (IRM)**

For resistance management **CHASER 240 SC** is a diacylhydrazine (Group 18) insecticide. Any insect population may contain individuals naturally resistant to **CHASER 240 SC** and other diacylhydrazine (Group 18) insecticide. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. **CHASER 240 SC** or any other diacylhydrazine (Group 18) insecticide may not control these resistant insects.

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 insect control programmes.
- For specific information on resistance management contact the registration holder of this product.

## **INTEGRATED PEST MANAGEMENT (IPM) PROGRAMME**

**CHASER 240 SC** is suitable for application in an IPM programme on apples, citrus and pears. **CHASER 240 SC** should be applied as a preventative spray when field scouting and/or monitoring indexes indicate that False Codling Moth or Codling Moth will reach economic thresholds.

Position **CHASER 240 SC** at the commencement of peak moth flight and/or before egg hatching occurs to ensure that all eggs are on treated surfaces exposing emerging larvae to **CHASER 240 SC**.

**CHASER 240 SC** is a selective insecticide that will only control the larval stages of Codling Moth and False Codling Moth.

**CHASER 240 SC** will not have a significant impact on parasitic or predaceous insects (such as ladybirds, lacewings or assassin bugs) or predaceous mites.

Apply a maximum of 2 applications per season for the control of Codling Moth on apples and pears and False Codling Moth on citrus.

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

**CHASER 240 SC** is a suspension concentrate which should be diluted in clean water with a pH of 4-9 and applied as a high volume full cover spray to fruit trees using suitable ground spray equipment.

## **MODE OF ACTION**

**CHASER 240 SC** is a moult accelerating compound and is most effective after ingestion by the young larvae. It is also effective as an ovicide. Older larvae will not be controlled. **CHASER 240 SC** is not a chitin-biosynthesis inhibitor or a juvenile hormone mimic. After ingestion of **CHASER 240 SC** the young false codling moth larvae will cease feeding within 4-8 hours and undergo a premature moult which will not complete resulting in death.

## **MIXING INSTRUCTIONS**

When **CHASER 240 SC** applied alone, the spray tank must be half filled with clean water and agitation commenced before adding the required amount of **CHASER 240 SC** to the tank.

Fill the spray tank to the required volume whilst continuing to agitate.

Maintain agitation during the entire application process.

Tank mixing **CHASER 240 SC** should only be done where compatibility of all the products to be used in the tank mixes has been tested and compatibility has been established.

## **STANDARD SEQUENCE OF TANK MIXES**

1. Fill spray tank to approximately 25 % of the total required water volume and commence agitation.
  2. Add – water dispersible granules (After pre- mixing with water) to obtain a slurry.
  3. Add – Wettable powders (After pre mixing with water) to obtain a slurry.
  4. Add **CHASER 240 SC** and other aqueous suspensions; continue agitation while filling the spray tank to 75 % of the required volume.
  5. Then add Emulsifiable concentrates
  6. Wetting Agents
  7. Foliar fertilizers and trace elements.
- NB. Continue agitating while filling the spray tank to the required total volume.

## **APPLICATION ON APPLE, AVOCADO, CITRUS AND LITCHI TREES.**

Ground orchard spraying equipment must be fitted with the correct size nozzles and calibrated for a high volume application to ensure proper wetting of fruit and foliage as a full cover spray.

CROP	DOSAGE RATE	APPLICATION DIRECTIONS
<b>AVOCADOS</b> False Codling Moth ( <i>Thaumatotibia leucotreta</i> )	60 mL/100ℓ water	Apply <b>CHASER 240 SC</b> as a high volume full cover spray. Apply at 8 and 4 weeks prior to harvest or when infestations are predicted.  <b><u>Resistance Management</u></b> Do not apply <b>CHASER 240 SC</b> more than three (3) times per season on the same block of avocados. Alternate <b>CHASER 240 SC</b> with other registered insecticides with a different mode of action.
<b>CITRUS</b> False Codling Moth ( <i>Thaumatotibia leucotreta</i> )	60 mL/100ℓ water	Apply <b>CHASER 240 SC</b> as a high volume full cover spray. Apply 8 and 4 weeks prior to harvest.  <b><u>Resistance Management</u></b> Do not apply <b>CHASER 240 SC</b> more than two (2) times per season on the same block of citrus. Alternate <b>CHASER 240 SC</b> with other registered insecticides with a different mode of action.
<b>LITCHIS</b> False Codling Moth ( <i>Thaumatotibia leucotreta</i> )	60mℓ/100ℓ water	Apply <b>CHASER 240 SC</b> as a high volume full cover spray. Apply at 8 and 4 weeks prior to harvest or when infestations are predicted.  <b><u>Resistance Management</u></b> Do not apply <b>CHASER 240 SC</b> more than three (3) times per season on the same block of Litchis. Alternate <b>CHASER 240 SC</b> with other registered insecticides with a different mode of action.