

Cryptex®

Reg. No. L8037, Act No. 36 of 1947 / N-AR 1804

GROUP 31 INSECTICIDE READ THE LABEL BEFORE USE.
KEEP OUT OF REACH OF CHILDREN & ANIMALS

Classification according to GHS: Not classified.

A Granulovirus suspension concentrate formulation for the biological reduction of False codling moth larvae (FCM) (*Cryptophlebia / Thaumatotibia leucotreta*).



- Prevent contamination of food, foodstuffs, drinking water and eating utensils.
- Clean applicator before and after use. Do not contaminate other crops, grazing, rivers, dams and areas not under treatment with water used to rinse the equipment.
- Store in original container in a dry area, away from food and feed stuffs.
- Use as soon as possible after sealed container is opened.
- May irritate skin and eyes.
- The active ingredient of Cryptex® consists of virus particles.
- During storage, and when in transit, it is important to keep the cold chain intact. With time and excessive high temperatures these virus particles, like most biological organisms, become less viable, leading to reduced efficacy.
- Cryptex® will remain viable for up to 24 months if stored in a cold room at 4°C.
- Do not leave the product or mixture standing in the sun.
- Triple rinse the empty container: 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 filled with fresh water and pour the rinsing water into the spray or mixing tank. Puncture the triple-rinsed container and dispose via an Approved Collector or Recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties who may use it as a receptacle for food or beverages.

Cryptex® has been proven to reduce FCM populations commercially, and it is recommended that Cryptex® be incorporated as part of an IPM programme to optimise efficacy.

RELEVANT SUBSTANCES

Ingredient	CAS Number	%
<i>Cryptophlebia / Thaumatotibia leucotetra</i> Granulovirus (CrleGV)	Not assigned	< 1 ($\geq 2 \times 10^{12}$ OB/100 ml)
Non-hazardous co-formulants	Confidential	> 99

FIRST AID

Eye contact: Most important acute symptoms/effects: eye irritation, redness, and excessive tears.

IF IN THE EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical help.

Skin contact: Most important acute symptoms/effects: skin irritation, redness may occur. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical help.

Inhalation: Most important acute symptoms/effects: irritation of the upper airway, coughing may occur.

IF INHALED: Remove person to fresh air and keep comfortable. Get medical help if the person feels unwell.

Ingestion: Most important acute symptoms/effects: no symptoms or effects are known. IF SWALLOWED: Rinse mouth out with water for several minutes. Get medical help if the person feels unwell.

RESISTANCE WARNING STATEMENT

Cryptex® is a Group Code 31 Insecticide. Currently there is no known resistance to Cryptex® or the biological active.

MODE OF ACTION

Cryptex® contains encapsulated virus particles, which are applied just after peaks in adult False Codling Moth (FCM) flights. The Granulovirus must be ingested by larva to be effective. The alkaline conditions in the larva's midgut dissolves the protective capsule, activating the virus particle which infects the larva resulting in death.

USE RESTRICTIONS

NOTICE TO USER

This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under the Act to use this agricultural remedy for any purpose in a manner contrary to the directions on the label.

WITHHOLDING PERIOD

There is no withholding period after treatment and crops can be harvested or used at any stage after treatment.

DIRECTIONS FOR USE - Use only as directed

COMPATIBILITY

Cryptex® contains virus particles and can be tank mixed with most pesticides as long as the pH is managed. Tank mixes with copper is not advisable.

MIXING INSTRUCTIONS

- Shake container well before use.
- Fill spray tank with half the required water volume and start agitator mechanism.
- Check the pH of the water, ensure pH is neutral (not lower than 5 or higher than 8). Add buffer if required.
- Add the correct amount of product to the water in the tank, at the recommended dose rate as per Registered Usages table.

IMPORTANT POINTS TO REMEMBER

- Apply as a full-cover film spray using conventional spray equipment. Good coverage is essential.
- Due to UV sensitivity, it is recommended that Cryptex® be applied during the late afternoon or evenings.
- Cryptex® is a suspension concentrate and the occlusion bodies should be kept in suspension.
- Mixed volumes must be applied as soon as possible and not left standing overnight or in the sun.
- Do not apply incompatible pesticides with Cryptex®.
- Optimum efficacy of this product is dependent on application timing. If unsure about timing, please consult the Registration Holder for advice.

REGISTERED USAGES

Application Guidelines:

Apply through conventional application systems as described in the mixing instructions. Cryptex® should be applied as a full-cover film spray. Adult FCM peaks can be detected using conventional pheromone monitoring traps.

Crops/Pest	Rates and Volume	Remarks
Citrus, pomegranates and persimmons.	Apply 3.3 ml/100 L of water (min. 200 ml – max. 330 ml/ha).	Application timing and intervals <ul style="list-style-type: none">• 1st Cryptex® application approximately 10 - 14 days after the 1st main peak in FCM moth flight.• 2nd Cryptex® application should be made within 10 - 14 days after second peak in FCM moth flight.• 3rd Cryptex® application to follow the next peak in FCM moth flight.
Grapes	Apply 3.3 ml/100 L of water (min. 35 ml – max. 60 ml/ha).	Application timing and intervals <ul style="list-style-type: none">• 1st Cryptex® application approximately 10 - 14 days after the 1st main peak in FCM moth flight at a dose rate of 60 ml/ha.• 2nd Cryptex® application should be made within 10 - 14 days after 1st application at a dose rate of 35 ml/ha.• 3rd Cryptex® application to follow the 2nd application at a dose rate of 35 ml/ha.



BIO PEST MANAGEMENT

Registration holder:
Andermatt Madumbi (Pty) Ltd.
Unit 19 Midway Square, 1 Prospect Place, Howick, 3290,
KwaZulu-Natal, South Africa.
Tel: +27 (0) 33 342 3984 (09:00 to 16:00)
Email address (Technical): support@andermatt.co.za
Emergency Number: GPIC: +27 (0) 82 446 8946 (24 H)
In case of poisoning, call the Poison Information
Helpline: +27 861 555 777
www.andermatt.co.za

Cryptex® is a Registered Trademark of Andermatt Group AG.
Country of Origin: Switzerland

Net Volume: 500ml/ 1L/ 5L

Batch No.:
Date of Manufacture:
Expiry Date: 24 months from date of manufacture.
UN No.: Not relevant
Pack Size:

Please scan for more info.



WARNINGS

Microorganisms may have the potential to provoke sensitising reactions.

PRECAUTIONS

GHS Precautionary Statements

Wear protective gloves/protective clothing/eye protection.
Do not eat, drink, or smoke when using this product.
Wash hands and face thoroughly after handling. Do not touch eyes.
Avoid inhalation of mist or spray.
Dispose of the product in a responsible manner. Avoid direct incineration.

DISCLAIMER: 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 as well as by the methods, 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 animals, the 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 registration. Please consult the Supplier in the event of any uncertainty.