CRYPTOMAX™

Effective Biological Control of **False Codling Moth** in Citrus Orchards



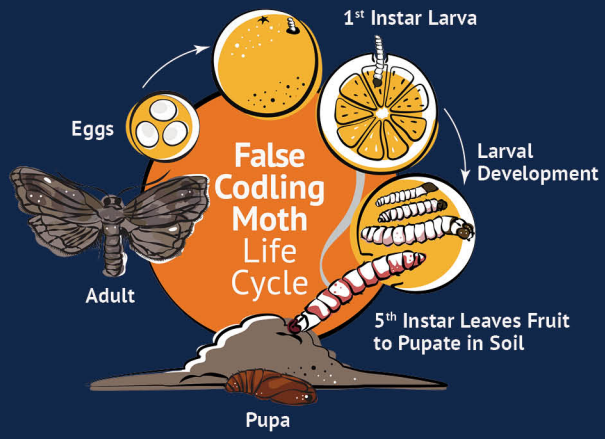
Proven Efficacy | **No Residues** | **IPM Friendly**

River Bioscience

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The Problem:

False Codling Moth (FCM) is a notorious pest for both local and international fruit producers. It damages fruit, leading to significant crop losses and reduced returns, while also creating phytosanitary challenges that can restrict exports to certain markets.



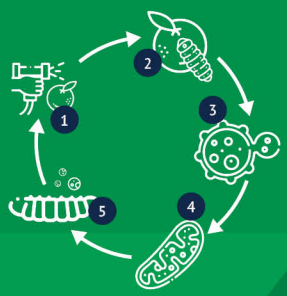
How Does FCM Damage Your Crops?

- Newly hatched larvae penetrate the fruit, often unnoticed without careful inspection.
- The feeding creates tiny entry holes, which eventually become sunken and brown as the tissue decays.
- Infested fruit typically drops from the tree 3–5 weeks after larval penetration.
- Fruit infested shortly before harvest is difficult to detect in the packhouse, increasing the risk of post-harvest decay and potential phytosanitary interceptions in export markets.

The Solution: CRYPTOMAX™

CryptoMax™ is an insect pathogenic virus formulation that targets and kills False Codling Moth larvae before they infest fruit.

How Does CryptoMax™ Work?



1. CryptoMax™ is sprayed onto crops.
2. FCM larvae ingest the virus from the surface of the fruit.
3. Protective protein layer of virus is digested by high pH of midgut.
4. The virus is absorbed by microvilli. The virus replication begins in nuclei of midgut cells.
5. The virus spreads throughout larvae and secondary replication occurs.

The larvae dies and releases virus particles into the surrounding environment causing secondary infection.

CryptoMax™ Benefits:

IPM Friendly

CryptoMax™ is highly compatible with Integrated Pest Management (IPM). It does not trigger secondary pest outbreaks and can be safely integrated into programmes that include the release of beneficial insects.

Early Application

Results indicate that including an additional early spray at the first flight peak significantly reduces cumulative fruit drop compared to programmes starting only in November and February.

Effective

Trials have shown that CryptoMax™ performs on par with chemical applications, and in many cases, it is even more effective than other biopesticides.

Longevity

Mortality effects can still be measured up to 4–12 weeks after application, providing extended protection.

MRL Management

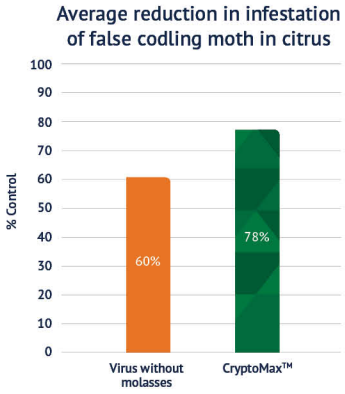
No chemical residues or withholding period.

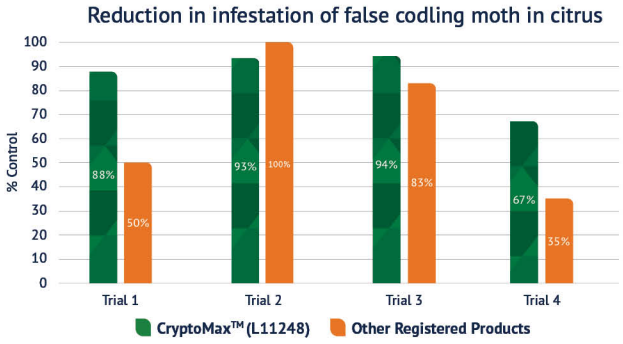
CryptoMax™ Efficacy & Trial Data:

Efficacy results indicate that CryptoMax™ reduces FCM infestations by over 70% on average for 4-12 weeks after application.

Through extensive research River Bioscience has developed a granulovirus formulation which ensures CryptoMax™ maintains a high level of efficacy without the addition of molasses as a feeding stimulant.







Therefore, CryptoMax™ can be applied with greater ease in citrus orchards, saving producers both time and money. However, when producers are fighting severe levels of pest pressure, they will still benefit by including a feeding stimulant.

River Bioscience

Scan for more info

CryptoMax™ - Reg. No. L11248 Act No. 36 of 1947
WARNING | Hazard Statements: May cause an allergic skin reaction. | Active Ingredient: *Cryptophlebia leucotreta* granulovirus (CrleGV-SA) at least 5 x 10^{10} occlusion bodies (OBs)/ml
READ THE LABEL BEFORE USE | Use only as directed
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